

A detailed black and white photograph of industrial machinery, showing a large gear and several shafts. The image has a halftone dot pattern overlay. The text 'PRODUCT CATALOGUE' is written in large, bold, white capital letters, with 'PRODUCT' at the top and 'CATALOGUE' running vertically down the right side.

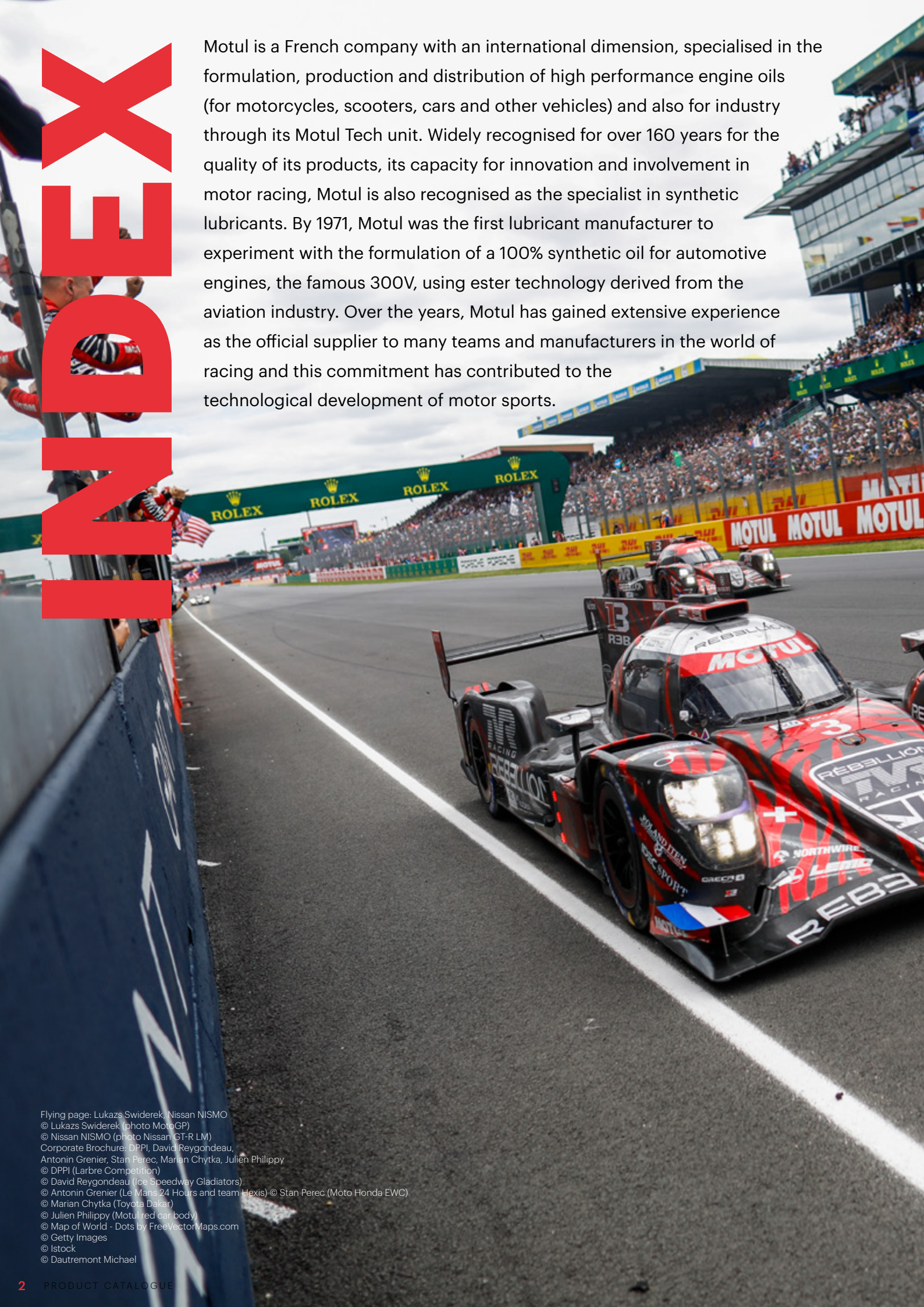
# PRODUCT CATALOGUE

**MOTUL** **TECH**

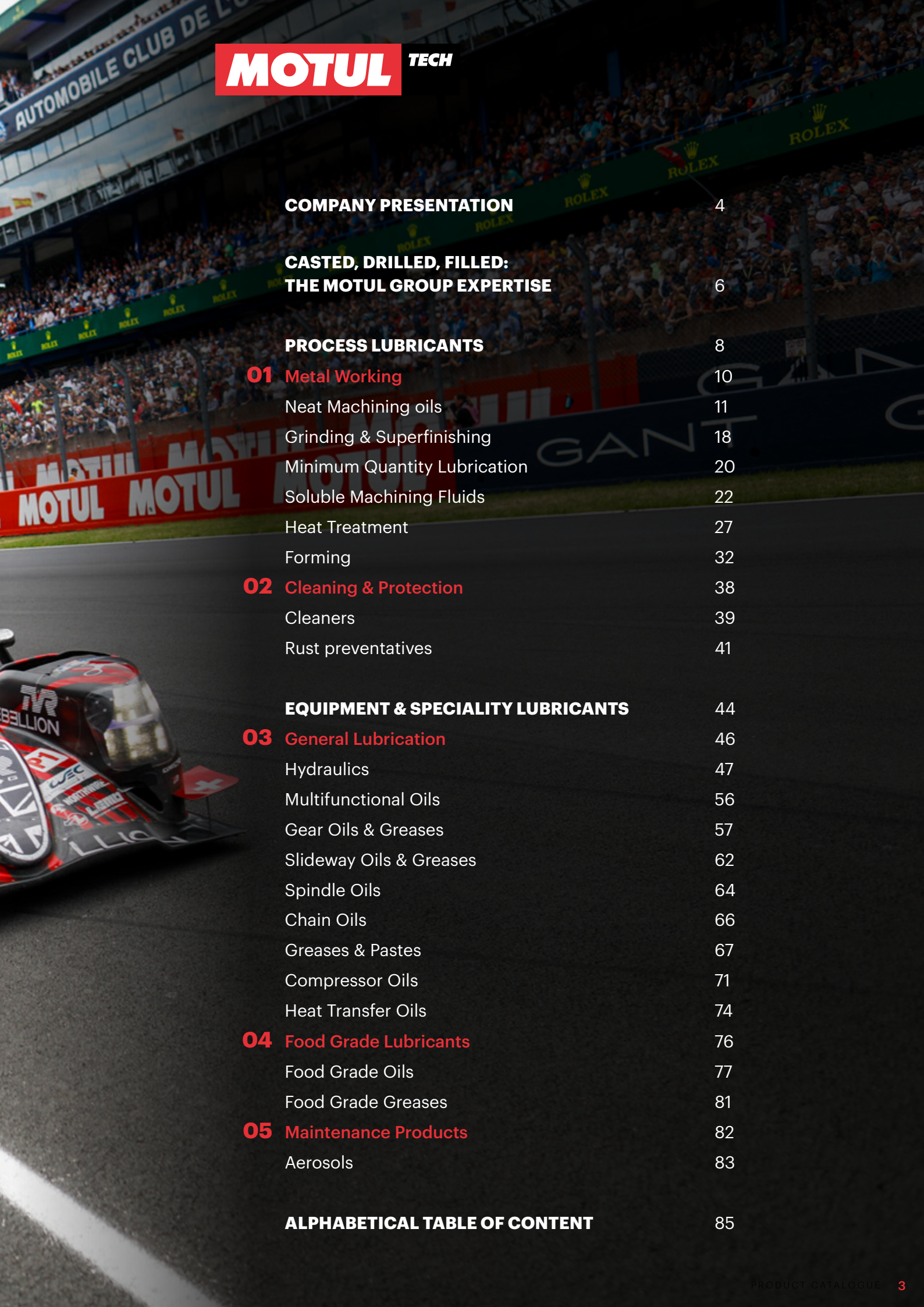
**INDUSTRIAL  
LUBRICANTS**

# HEXIS

Motul is a French company with an international dimension, specialised in the formulation, production and distribution of high performance engine oils (for motorcycles, scooters, cars and other vehicles) and also for industry through its Motul Tech unit. Widely recognised for over 160 years for the quality of its products, its capacity for innovation and involvement in motor racing, Motul is also recognised as the specialist in synthetic lubricants. By 1971, Motul was the first lubricant manufacturer to experiment with the formulation of a 100% synthetic oil for automotive engines, the famous 300V, using ester technology derived from the aviation industry. Over the years, Motul has gained extensive experience as the official supplier to many teams and manufacturers in the world of racing and this commitment has contributed to the technological development of motor sports.



Flying page: Lukazs Swiderek, Nissan NISMO  
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**INDUSTRIAL AND AUTOMOTIVE SECTORS ARE KNOWN FOR THEIR DYNAMISM AND CONTINUING EVOLUTION. PURSUING PERFECTION IMPLIES MASTERING EVERY SINGLE PROCESS THAT A COMPANY WILL HAVE TO FACE.**



MotulTech is a division of the Motul Group, a family owned international company manufacturing high performance lubricants for more than 160 years. MotulTech develops, blends and sells top tier industrial lubricants for metal working and machinery lubrication. MotulTech is present in many countries in the world through its products and services, as well as its manufacturing sites and R&D laboratories.

# **MOTULTECH** **THE** **INDUSTRIAL** **LUBRICANTS** **DIVISION OF** **THE MOTUL** **GROUP**



# metal working lubricants



oils

compounds

emulsions

**SWAN-FINCH OIL CORPORATION**  
RCA BUILDING WEST - NEW YORK 20, NEW YORK



- MOTUL est aussi livrée en :
- Bidons de 2/4 de gallon (2 litres env.)
  - » de 2 » (7 litres 1/2)
  - Seaux de 5 » (19 litres)
  - Tonnelets d'origine de 58 litres
  - » » 116 »
  - Grands fûts d'origine de 210 litres

Approvisionnez - vous  
directement à la  
Source de production  
par ces emballages  
d'origine! →



## LA MARQUE SWAN-FINCH

est synonyme de la plus haute qualité et représente  
pour vous une

### garantie incontestable

Cette marque "SWAN-FINCH" fondée en 1853 renferme 80 ans d'études et d'expériences mises en valeur pour vous.

**"MOTUL"** est préparée  
exclusivement avec du GRADE A



Le Grade A est la

plus haute qualité de Naphte existant seul dans un secteur très restreint, est raffiné selon des méthodes uniques brevetées de la Swan Finch Oil Corporation.

### LES SCELLÉS D'ORIGINE

de la Swan-Finch Oil Corporation sont apposés sur  
tous les emballages à la source même de la production  
et vous fournissent ainsi une

### sécurité absolue !

**MOTUL** vous garantit double kilométrage, elle va deux fois aussi loin que toute autre huile.

**MOTUL** est indentifiée par le Ministère de l'Air sous les N°s 2550 et 9191, comme étant conforme à la norme Air N° 3560.

**MOTUL** est, malgré son prix légèrement plus élevé, l'huile la plus économique du Marché.

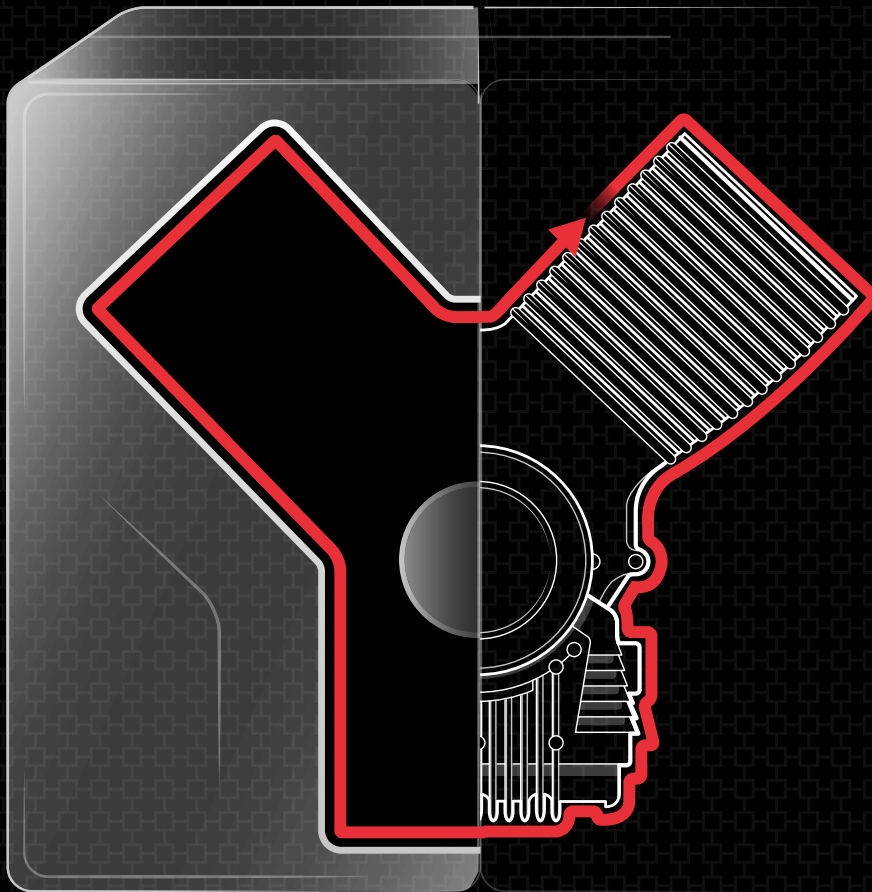
Utilisez pour le maintien de votre matériel  
les incomparables graisses

# MOTUL

**MOTUL** TECH

# MOTUL GROU

**MOTUL** TECH



**1** CASTED

FROM MELTED METAL TO DIE CASTED  
METAL BODIES



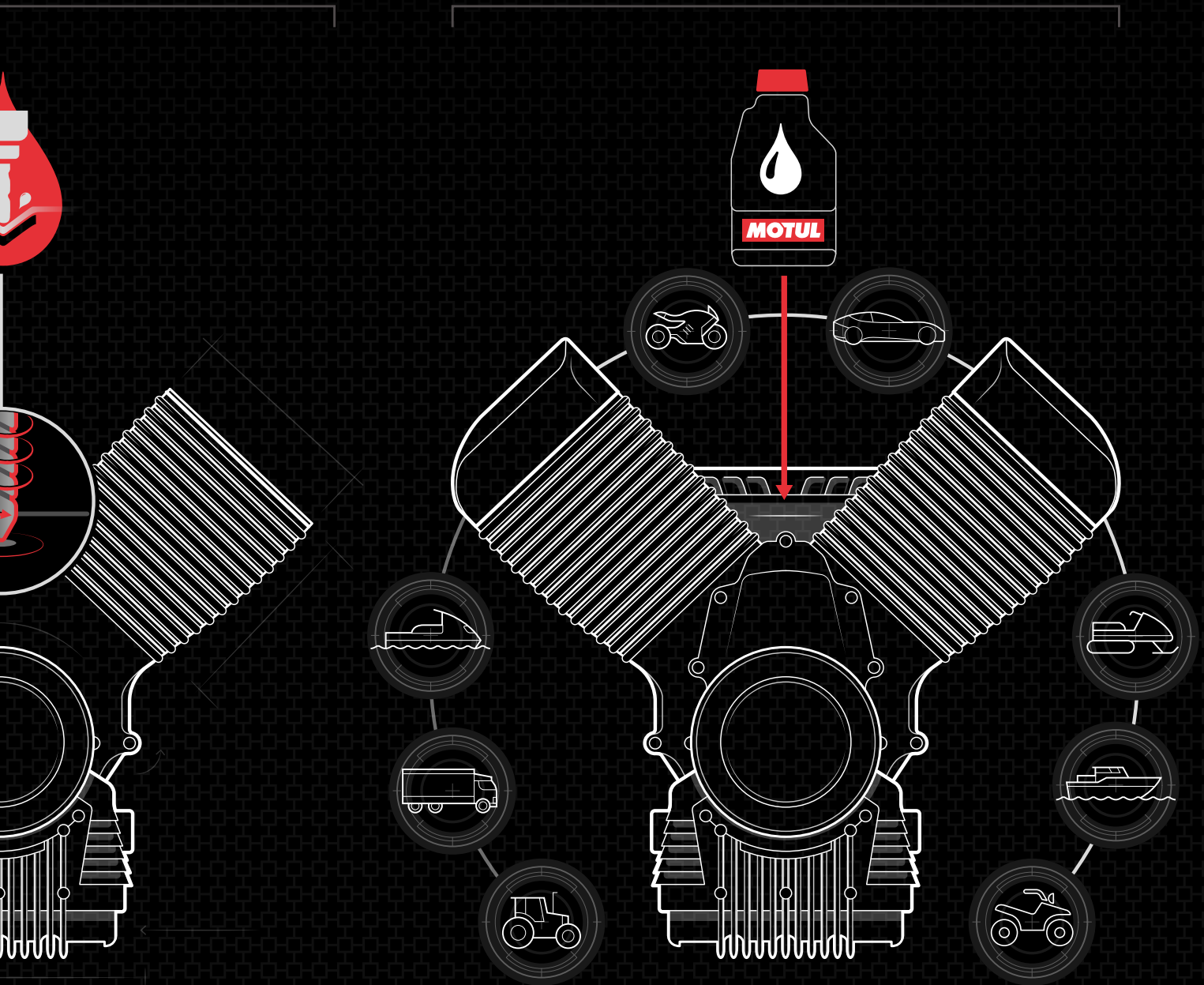
**2** DRI

TRANSFORMING  
INTO FINIS



# UP EXPERTISE

**MOTUL**



**LLED**

NG RAW METAL  
HED PARTS

**3**

**FILLED**

GETTING THE BEST FROM ALL TYPES OF ENGINES  
WITH HIGH PERFORMANCE LUBRICANTS

# PROCESS LUBRICANTS

**10** METAL WORKING

**36** CLEANING & PROTECTION

01  
02



# METAL WORKING

# 50

Each machining application is unique, each of our clients has specific needs.

The MotulTech offer to its customers encompasses a wide range of neat & soluble machining fluids; this range is the result of a long collaboration process with specialists in machining. By listening to your needs, our experts develop products that reconcile the search for performance and productivity with respect for users and the environment. Conceived to optimize the performance/consumption ratio, these products make it possible to obtain high quality parts at the highest production rates and optimised cost. The ethos behind formulation is to meet the most stringent requirements for hygiene & safety whilst retaining ease of maintenance.

MotulTech offers you an extensive set of products and services, including soluble fluids, neat oils and Minimum Quantity Lubrication products. The solution to your quality, productivity or technical problem, will be found in our range.

**11-17** NEAT MACHINING OILS

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**18-19** GRINDING & SUPERFINISHING

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**20-21** MINIMUM QUANTITY LUBRICATION

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**22-25** SOLUBLE MACHINING FLUIDS

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**27-31** HEAT TREATMENT



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
**32-36** FORMING




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
# NEAT MACHINING OILS


Dedicated to machining by removal of chips, the MotulTech range of neat oils covers a large number of applications: Bar turning, Threading, Turning, Truing, Drilling, Tapping, Sawing, Boring, Milling, Broaching, etc. It enables to provide a customized solution for each type of application and to make a rational choice by using the "multi-function" nature of certain references. Every reference has a specific viscosity and formulation established for every process by taking into account the working speeds, machining complexity and the quality required.




NEAT MACHINING OILS	SUPRACO	SUPRACO 1000	SKU NR AND PACKAGING			
			PRODUCT NAME	107184 	107185 	
			<b>SUPRACO 1015</b>	DRUM 208 L	IBC 1000 L	
			APPLICATION	ADVANTAGES		
			For the general machining of ferrous and non-ferrous metals. Recommended for turning operations on brass and mild steels. Can also be used in hydraulic systems of machine-tools.	<ul style="list-style-type: none"> <li>Compatible with all metals.</li> <li>Optimum lubricating and anti-wear properties.</li> <li>Good cooling properties.</li> </ul>		
			VISCOSITY @ 40°C (CST)	COPPER CORROSION	FLASH POINT °C	
RANGE	SERIE		15	1a	>160	



NEAT MACHINING OILS	SUPRACO	SUPRACO 1000	SKU NR AND PACKAGING			
			PRODUCT NAME	107357 	104342 	
			<b>SUPRACO 1020</b>	DRUM 208 L	IBC 1000 L	
			APPLICATION	ADVANTAGES		
			For the general machining of ferrous and non-ferrous metals. Recommended for turning operations on brass and mild steels. Can also be used in hydraulic systems of machine-tools.	<ul style="list-style-type: none"> <li>Compatible with all metals.</li> <li>Optimum lubricating and anti-wear properties.</li> <li>Good cooling properties.</li> </ul>		
			VISCOSITY @ 40°C (CST)	COPPER CORROSION	FLASH POINT °C	
RANGE	SERIE		20	1a	>200	

NEAT MACHINING OILS	SUPRACO	SUPRACO 1000	SKU NR AND PACKAGING			
			PRODUCT NAME	107168 	107167 	106038 
			<b>SUPRACO 1030</b>	DRUM 208 L	IBC 1000 L	BULK
			APPLICATION	ADVANTAGES		
			For the general machining of ferrous and non-ferrous metals. Recommended for turning operations on brass and mild steels. Can also be used in hydraulic systems of machine-tools.	<ul style="list-style-type: none"> <li>Compatible with all metals.</li> <li>Optimum lubricating and anti-wear properties.</li> <li>Good cooling properties.</li> </ul>		
			VISCOSITY @ 40°C (CST)	COPPER CORROSION	FLASH POINT °C	
RANGE	SERIE		30	1a	>200	



RANGE	SERIE	SUPRACO SUPRACO 1000	PRODUCT NAME	SKU NR AND PACKAGING	
			<b>SUPRACO 1045</b>	107042 	107043 
				DRUM 208 L	IBC 1000 L
APPLICATION			ADVANTAGES		
For the general machining of ferrous and non-ferrous metals. Recommended for turning operations on brass and mild steels. Can also be used in hydraulic systems of machine-tools.			<ul style="list-style-type: none"> <li>• Compatible with all metals.</li> <li>• Optimum lubricating and anti-wear properties.</li> <li>• Good cooling properties.</li> </ul>		
VISCOSITY @ 40°C (CST)			COPPER CORROSION		FLASH POINT °C
45			1a		230

RANGE	SERIE	SUPRACO SUPRACO 3000	PRODUCT NAME	SKU NR AND PACKAGING	
			<b>SUPRACO 3020</b>	104773 	IBC 1000 L
			APPLICATION		
High performance neat cutting oil specially developed for difficult machining on ferrous metals.			<ul style="list-style-type: none"> <li>• Free from organo-chlorinated additives.</li> <li>• Wide range of applications.</li> <li>• High lubricating and Extreme Pressure properties.</li> <li>• Good cooling properties.</li> </ul>		
VISCOSITY @ 40°C (CST)			COPPER CORROSION		FLASH POINT °C
25			4c		>200




RANGE	SERIE	SUPRACO SUPRACO 4000	PRODUCT NAME	SKU NR AND PACKAGING		
			<b>SUPRACO 4040</b>	104757 	104758 	104738 
				DRUM 208 L	IBC 1000 L	BULK
APPLICATION			ADVANTAGES			
For machining operations of bad machinability ferrous metals.			<ul style="list-style-type: none"> <li>• Free from organo-chlorinated additives.</li> <li>• Compatible with all metals.</li> <li>• High Extreme Pressure properties.</li> <li>• High flash point.</li> </ul>			
VISCOSITY @ 40°C (CST)			COPPER CORROSION		FLASH POINT °C	
40			1b		220	

RANGE	SERIE	SUPRACO SUPRACO 5000	PRODUCT NAME	SKU NR AND PACKAGING	
			<b>SUPRACO 5015</b>	104819 	104754 
				DRUM 208 L	IBC 1000 L
APPLICATION			ADVANTAGES		
For severe machining like deep drilling, tapping, deep reaming, broaching operations and all hard machining on ferrous metals and high alloy steel (inconel, stainless steel, titanium).			<ul style="list-style-type: none"> <li>• Free from organo-chlorinated additives.</li> <li>• Very high lubricating properties and Extreme Pressure capacity.</li> <li>• High cooling properties.</li> </ul>		
VISCOSITY @ 40°C (CST)			COPPER CORROSION		FLASH POINT °C
15			4c		>165


## NEAT MACHINING OILS

RANGE	SERIE	SUPRACO SUPRACO 5000	PRODUCT NAME	SKU NR AND PACKAGING	
			<b>SUPRACO 5040</b>	104753 	104751 
				DRUM 208 L	IBC 1000 L
APPLICATION			ADVANTAGES		
For severe machining like deep drilling, tapping, deep reaming, broaching operations and all hard machining on ferrous metals and high alloy steel (inconel, stainless steel, titanium).			<ul style="list-style-type: none"> <li>• Free from organo-chlorinated additives.</li> <li>• Very high lubricating properties and Extreme Pressure capacity.</li> <li>• High cooling properties.</li> </ul>		
VISCOSITY @ 40°C (CST)			COPPER CORROSION		FLASH POINT °C
40			4c		>190



## NEAT MACHINING OILS

RANGE	SERIE	SUPRACO SUPRACO 5000	PRODUCT NAME	SKU NR AND PACKAGING		
			<b>SUPRACO 5050</b>	108234 	108236 	108237 
				JERRYCAN 20 L	DRUM 208 L	IBC 1000 L
APPLICATION			ADVANTAGES			
Severe machining such as deep drilling, broaching, threading and cutting on stainless steel and titanium.			<ul style="list-style-type: none"> <li>• Free from organo-chlorinated additives.</li> <li>• Very high lubricating properties and Extreme Pressure capacity.</li> <li>• Good anti-wear properties.</li> </ul>			
VISCOSITY @ 40°C (CST)			COPPER CORROSION		FLASH POINT °C	
50			4c		>195	




## NEAT MACHINING OILS

RANGE	SERIE	SUPRACO	PRODUCT NAME	SKU NR AND PACKAGING	
			<b>SUPRACO SPRAY</b>	108719 	AEROSOL 650 mL
			APPLICATION		
For very severe machining on all ferrous metals such as manual thread, comb thread, rolling thread, die thread, drilling, manual and semi-automatic tapping.			<ul style="list-style-type: none"> <li>• Very high lubricating properties and Extreme Pressure capacity.</li> <li>• Good anti-wear properties.</li> <li>• Increase tool life.</li> </ul>		
VISCOSITY @ 40°C (CST)			COPPER CORROSION		FLASH POINT °C
53			4c		100




## NEAT MACHINING OILS

RANGE	SERIE	SUPRACUT SUPRACUT 5000	PRODUCT NAME	SKU NR AND PACKAGING	
			<b>SUPRACUT 5030</b>	104685 	104603 
				DRUM 208 L	IBC 1000 L
APPLICATION			ADVANTAGES		
Severe machining such as deep drilling, broaching, threading and cutting on stainless steel and titanium. For ferrous metals only.			<ul style="list-style-type: none"> <li>• Free from organo-chlorinated additives.</li> <li>• Very high Extreme Pressure properties.</li> <li>• High anti-wear properties.</li> </ul>		
VISCOSITY @ 40°C (CST)			COPPER CORROSION		FLASH POINT °C
30			4c		>180




## NEAT MACHINING OILS

RANGE	SERIE	SUPRACUT EVO SUPRACUT EVO 200	PRODUCT NAME	SKU NR AND PACKAGING		
			<b>SUPRACUT EVO 215</b>	107893  DRUM 208 L	107895  IBC 1000 L	108069  BULK
			APPLICATION For all standard machining operations on ferrous and non-ferrous metals. Particularly suitable for machining operations on aluminium, brass, copper and all types of steels.	ADVANTAGES • Free from organo-chlorinated additives. • Reinforced lubricating properties. • Good anti-wear properties. • High flash point and high viscosity index.		
			VISCOSITY @ 40°C (CST) 15	COPPER CORROSION 1b		FLASH POINT °C 190




## NEAT MACHINING OILS

RANGE	SERIE	SUPRACUT EVO SUPRACUT EVO 200	PRODUCT NAME	SKU NR AND PACKAGING		
			<b>SUPRACUT EVO 230</b>	107894  DRUM 208 L	107896  IBC 1000 L	108113  BULK
			APPLICATION For standard machining operations on ferrous and non-ferrous metals. Particularly suitable for machining of medium-hard to hard steel, titanium, aluminium, bronze and brass.	ADVANTAGES • Free from organo-chlorinated additives. • Reinforced lubricating properties. • Good anti-wear properties. • High flash point and high viscosity index.		
			VISCOSITY @ 40°C (CST) 30	COPPER CORROSION 1b		FLASH POINT °C 230

## NEAT MACHINING OILS




RANGE	SERIE	SUPRACUT EVO SUPRACUT EVO 300	PRODUCT NAME	SKU NR AND PACKAGING		
			<b>SUPRACUT EVO 315</b>	107928  DRUM 208 L	107929  IBC 1000 L	108107  BULK
			APPLICATION For all standard turning operations of hard materials (steel, titanium and Inconel), non-ferrous metals and mild steels.	ADVANTAGES • Free from organo-chlorinated additives. • High lubricating and Extreme Pressure properties. • High flash point and high viscosity index. • Reduced oil consumption: less mist and less evaporation. • Improved resistance to oxidation.		
			VISCOSITY @ 40°C (CST) 15	COPPER CORROSION 1b		FLASH POINT °C >210

## NEAT MACHINING OILS




RANGE	SERIE	SUPRACUT EVO SUPRACUT EVO 300	PRODUCT NAME	SKU NR AND PACKAGING		
			<b>SUPRACUT EVO 320</b>	107984  DRUM 208 L	107985  IBC 1000 L	107986  BULK
			APPLICATION For all standard turning operations of hard materials (steel, titanium and Inconel), non-ferrous metals and mild steels.	ADVANTAGES • Free from organo-chlorinated additives. • High lubricating and Extreme Pressure properties. • High flash point and high viscosity index. • Reduced oil consumption: less mist and less evaporation. • Improved resistance to oxidation.		
			VISCOSITY @ 40°C (CST) 22	COPPER CORROSION 1b		FLASH POINT °C >210






## NEAT MACHINING OILS

RANGE	SERIE	<b>SUPRACUT EVO</b>  <b>SUPRACUT EVO 300</b>	<b>PRODUCT NAME</b>  <b>SUPRACUT EVO 330</b>	<b>SKU NR AND PACKAGING</b> 107963  DRUM 208 L	107964  IBC 1000 L	107965  BULK
			<b>APPLICATION</b> For all standard turning operations of hard materials (steel, titanium and Inconel), non-ferrous metals and mild steels.	<b>ADVANTAGES</b> <ul style="list-style-type: none"> <li>• Free from organo-chlorinated additives.</li> <li>• High lubricating and Extreme Pressure properties.</li> <li>• High flash point and high viscosity index.</li> <li>• Reduced oil consumption: less mist and less evaporation.</li> <li>• Improved resistance to oxidation.</li> </ul>		
			<b>VISCOSITY @ 40°C (CST)</b> 30	<b>COPPER CORROSION</b> 1b	<b>FLASH POINT °C</b> >220	




## NEAT MACHINING OILS




RANGE	SERIE	<b>SUPRACUT EVO</b>  <b>SUPRACUT EVO 300</b>	<b>PRODUCT NAME</b>  <b>SUPRACUT EVO 345</b>	<b>SKU NR AND PACKAGING</b> 108193  DRUM 208 L	108194  IBC 1000 L	108195  BULK
			<b>APPLICATION</b> For all standard turning operations of hard materials (steel, titanium and Inconel), non-ferrous metals and mild steels.	<b>ADVANTAGES</b> <ul style="list-style-type: none"> <li>• Free from organo-chlorinated additives.</li> <li>• High lubricating and Extreme Pressure properties.</li> <li>• High flash point and high viscosity index.</li> <li>• Reduced oil consumption: less mist and less evaporation.</li> <li>• Improved resistance to oxidation.</li> </ul>		
			<b>VISCOSITY @ 40°C (CST)</b> 45	<b>COPPER CORROSION</b> 1b	<b>FLASH POINT °C</b> >220	



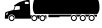
## NEAT MACHINING OILS

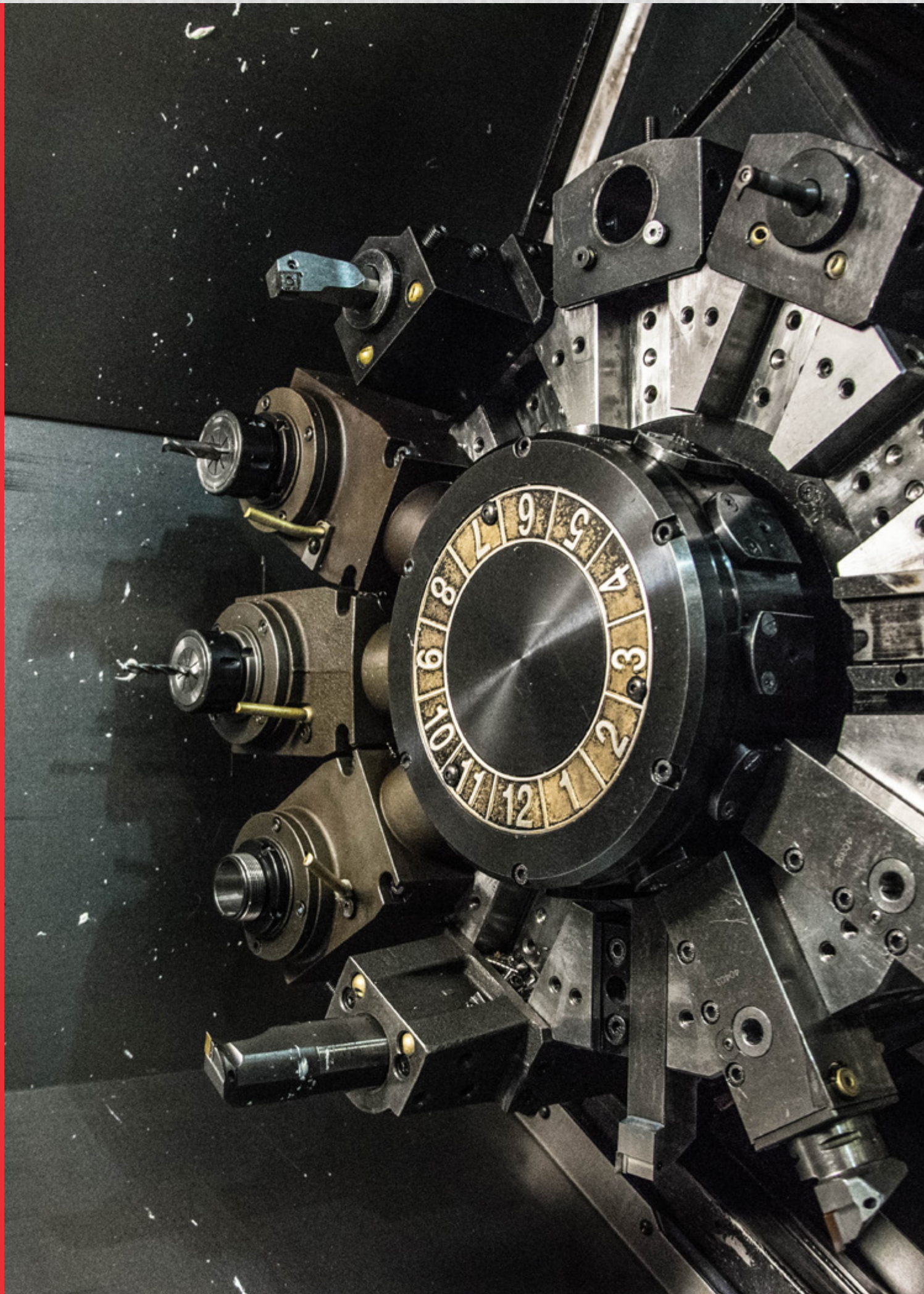
RANGE	SERIE	<b>SUPRACUT EVO</b>  <b>SUPRACUT EVO 400</b>	<b>PRODUCT NAME</b>  <b>SUPRACUT EVO 410</b>	<b>SKU NR AND PACKAGING</b> 108129  DRUM 208 L	108130  IBC 1000 L	108131  BULK
			<b>APPLICATION</b> For difficult machining on hard metals, stainless steel and hard steels and non ferrous metals.	<b>ADVANTAGES</b> <ul style="list-style-type: none"> <li>• Free from organo-chlorinated additives.</li> <li>• Optimised lubricity and high extreme pressure capabilities.</li> <li>• Good cooling properties.</li> <li>• Machine safety (high flash point).</li> </ul>		
			<b>VISCOSITY @ 40°C (CST)</b> 10	<b>COPPER CORROSION</b> 1b	<b>FLASH POINT °C</b> 145	

## NEAT MACHINING OILS

RANGE	SERIE	<b>SUPRACO</b>  <b>SUPRACO 4000</b>	<b>PRODUCT NAME</b>  <b>SUPRACO 4018</b>	<b>SKU NR AND PACKAGING</b> 104683  DRUM 208 L	104684  IBC 1000 L	104729  BULK
			<b>APPLICATION</b> Difficult machining (drilling, milling, threading, reaming) on hard metals, stainless steel and hard steels, non ferrous metals.	<b>ADVANTAGES</b> <ul style="list-style-type: none"> <li>• Good cooling properties. Extreme pressure and high wetting properties.</li> <li>• For difficult machining operations. The good oil film resistance reduces fumes burns and tool wear.</li> </ul>		
			<b>VISCOSITY @ 40°C (CST)</b> 22	<b>COPPER CORROSION</b> 1b	<b>FLASH POINT °C</b> >200	

		SKU NR AND PACKAGING		
<b>PRODUCT NAME</b>	<b>SUPRACO EVO 420</b>	107732  DRUM 208 L	107817  IBC 1000 L	107792  BULK
<b>APPLICATION</b>	Difficult machining (drilling, milling, threading, reaming) on hard metals, stainless steel and hard steels, non ferrous metals.		<b>ADVANTAGES</b>	
<b>VISCOSITY @ 40°C (CST)</b>	<b>COPPER CORROSION</b>	<b>FLASH POINT °C</b>		
22	1b	>210		
RANGE	SERIE			




		SKU NR AND PACKAGING		
<b>PRODUCT NAME</b>	<b>SUPRACUT EVO 430</b>	108217  DRUM 208 L	108218  IBC 1000 L	108219  BULK
<b>APPLICATION</b>	For difficult machining on hard metals, stainless steel and hard steels and non ferrous metals.		<b>ADVANTAGES</b>	
<b>VISCOSITY @ 40°C (CST)</b>	<b>COPPER CORROSION</b>	<b>FLASH POINT °C</b>		
30	1b	210		
RANGE	SERIE			








# GRINDING & SUPERFINISHING



The entire MotulTech range of grinding products has been formulated to efficiently meet the requirements of superfinishing. Each product in the range meets a specific need:

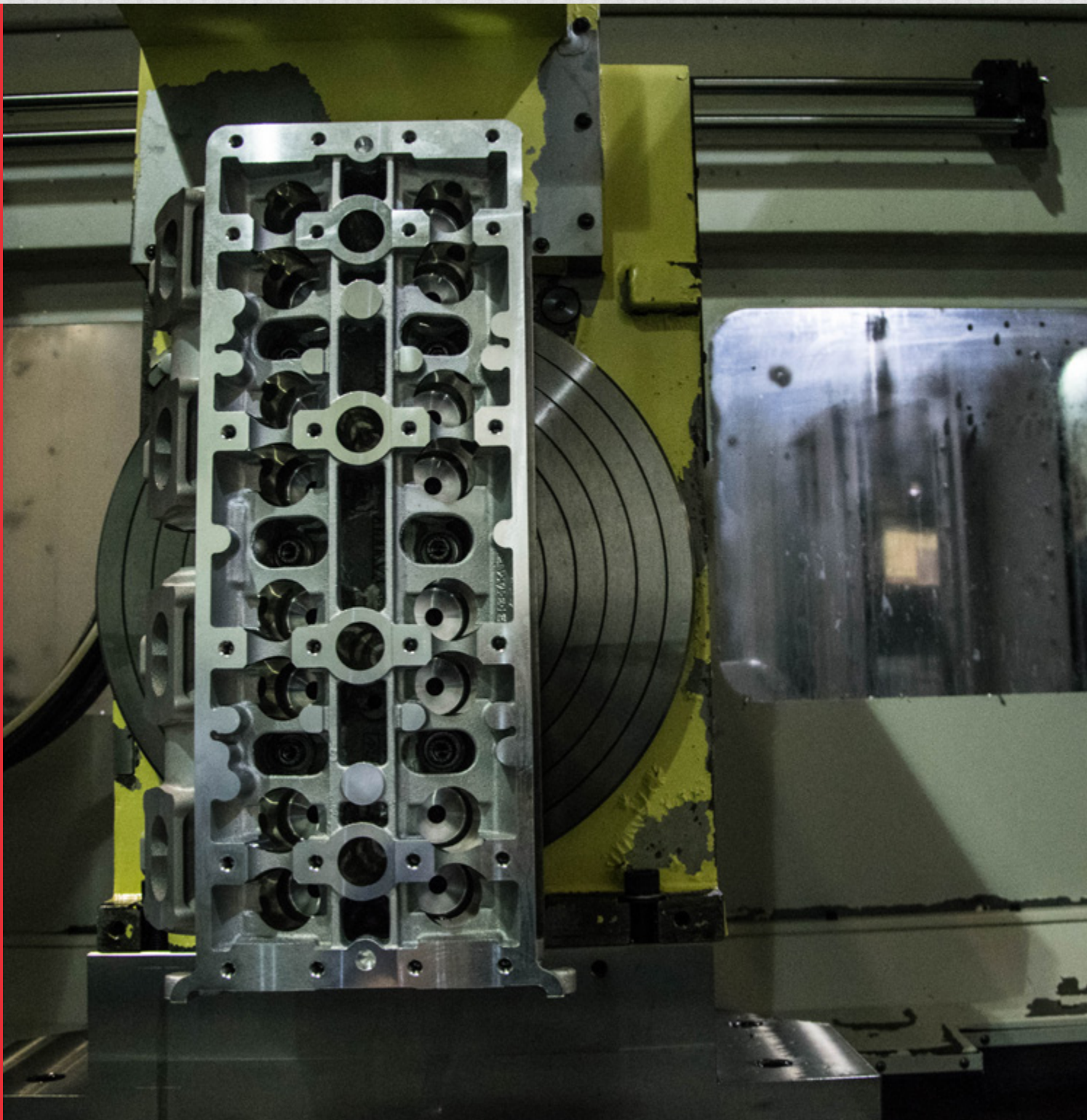
- Base oils selected to limit vaporization and mists
- High efficiency
- Good decantation of fines
- Adapted viscosities limiting consumption
- Compatible with ferrous and non-ferrous metals
- LAP Master approvals

<b>GRINDING &amp; SUPERFINISHING</b>	<b>PROFILINE</b>	<b>SKU NR AND PACKAGING</b>		
		<b>108278</b>  JERRYCAN 20 L	<b>108279</b>  DRUM 208 L	<b>108280</b>  IBC 1000 L
	<b>PRODUCT NAME</b> <b>PROFILINE 1005</b>		<b>APPLICATION</b> For high yields machining operations of all types of materials, lapping, grinding and sharpening of HSS and carbide tools with diamond or CBN wheels.	
	<b>ADVANTAGES</b>		<ul style="list-style-type: none"> <li>• Free from organo-chlorinated additives and sulphur.</li> <li>• Compatible with all metals.</li> <li>• High lubrication and good cooling properties.</li> <li>• Enhance the finished aspect of the parts.</li> <li>• High flash point and viscosity index.</li> </ul>	
<b>RANGE</b>	<b>VISCOSITY @ 40°C (CST)</b> 5	<b>COPPER CORROSION</b> 1a	<b>FLASH POINT °C</b> 132	

<b>GRINDING &amp; SUPERFINISHING</b>	<b>PROFILINE</b>	<b>SKU NR AND PACKAGING</b>		
		<b>106892</b>  DRUM 208 L	<b>105862</b>  IBC 1000 L	<b>106778</b>  BULK
	<b>PRODUCT NAME</b> <b>PROFILINE 1008</b>		<b>APPLICATION</b> For high yields machining operations of all types of materials, lapping, grinding and sharpening of HSS and carbide tools with diamond or CBN wheels.	
	<b>ADVANTAGES</b>		<ul style="list-style-type: none"> <li>• Free from organo-chlorinated additives and sulphur.</li> <li>• Compatible with all metals.</li> <li>• High lubrication and good cooling properties.</li> <li>• Enhance the finished aspect of the parts.</li> <li>• High flash point and viscosity index.</li> </ul>	
<b>RANGE</b>	<b>VISCOSITY @ 40°C (CST)</b> 8	<b>COPPER CORROSION</b> 1a	<b>FLASH POINT °C</b> 170	

<b>GRINDING &amp; SUPERFINISHING</b>	<b>PROFILINE</b>	<b>SKU NR AND PACKAGING</b>		
		<b>108878</b>  DRUM 208 L	<b>106995</b>  IBC 1000 L	
	<b>PRODUCT NAME</b> <b>PROFILINE 10EP</b>		<b>APPLICATION</b> Grinding hard metals of poor machinability and for grinding carbide and high-speed steel tools using diamond grinding wheels or CBN grinding wheels.	
	<b>ADVANTAGES</b>		<ul style="list-style-type: none"> <li>• Free from organo-chlorinated additives.</li> <li>• Clear and odorless.</li> <li>• Compatible with all metals.</li> <li>• Good lubricating and Extreme Pressure properties.</li> </ul>	
<b>RANGE</b>	<b>VISCOSITY @ 40°C (CST)</b> > 10	<b>COPPER CORROSION</b> 1a	<b>FLASH POINT °C</b> 145	

<b>PROFILINE</b>	<b>PRODUCT NAME</b> <b>PROFILINE XS8</b>		<b>SKU NR AND PACKAGING</b> 107343  DRUM 208 L		107344  IBC 1000 L
	<b>APPLICATION</b> For grinding and sharpening operations with diamant or cubic boron nitride wheels of carbide and HSS tools. Formulated with synthetic and biodegradable esters.		<b>ADVANTAGES</b> <ul style="list-style-type: none"> <li>• Free from organo-chlorinated additives.</li> <li>• Compatible with all metals.</li> <li>• High lubricating power and high pressure absorbing capacity.</li> <li>• Good cooling properties.</li> <li>• High flash point.</li> <li>• Low mist</li> </ul>		
<b>RANGE</b>	<b>VISCOSITY @ 40°C (CST)</b> 8	<b>COPPER CORROSION</b> 1a	<b>FLASH POINT °C</b> >200		






# MINIMUM QUANTITY LUBRICATION


The SUPRACO MQL MOTULTECH range has been developed from the latest high technology additives.

Dedicated to machining of big dimensions parts, the SUPRACO MQL range offers outstanding performances. Based on high performance vegetable esters, SUPRACO MQL oils have high lubrication ability and very good anti-wear properties as well as the following advantages:


- Clear oils
- No labeling
- High flash point
- No smell
- Good dermatologic behavior
- Easy cleanable
- Minimum consumption of products
- High biodegradability products
- Protect parts against corrosion

MINIMUM QUANTITY LUBRICATION	<b>SUPRACO</b>	PRODUCT NAME		SKU NR AND PACKAGING		
		<b>SUPRACO 1308 E</b>		104237 	100561 	JERRYCAN 20 L
	APPLICATION			ADVANTAGES		
	For machining involving chips removal of ferrous and non-ferrous metals, with a micro-spray circulation system. Designed for operations of milling with milling and sawing tools, cutting and tapping.			<ul style="list-style-type: none"> <li>High lubrication and anti-wear properties.</li> <li>Very good wettability.</li> <li>High viscosity index.</li> <li>High flash point.</li> </ul>		
RANGE	VISCOSITY @ 40°C (CST)		COPPER CORROSION		FLASH POINT °C	BASE OIL
	46		1a		>320	Ester

MINIMUM QUANTITY LUBRICATION	<b>SUPRACO</b>	PRODUCT NAME		SKU NR AND PACKAGING		
		<b>SUPRACO 1309</b>		104375 	JERRYCAN 20 L	
	APPLICATION			ADVANTAGES		
	For machining of all metals by minimum quantity lubrication: sawing, drilling, milling, tapping, reaming, broaching, bending or punching of ferrous and non-ferrous metals including those with poor machinability.			<ul style="list-style-type: none"> <li>High lubrication and anti-wear properties.</li> <li>Very good wettability.</li> <li>High viscosity index.</li> <li>High flash point.</li> </ul>		
RANGE	VISCOSITY @ 40°C (CST)		COPPER CORROSION		FLASH POINT °C	BASE OIL
	32		1a		>260	Ester

MINIMUM QUANTITY LUBRICATION	<b>SUPRACO</b>	PRODUCT NAME		SKU NR AND PACKAGING		
		<b>SUPRACO 1315</b>		105575 	JERRYCAN 20 L	
	APPLICATION			ADVANTAGES		
	For machining operations on all types of metals by micro-spraying: sawing, drilling, milling, tapping, reaming, broaching, bending, or punching operations on ferrous and non-ferrous metals, including those with poor machinability.			<ul style="list-style-type: none"> <li>High lubrication and anti-wear properties.</li> <li>Very good wettability.</li> <li>High viscosity index.</li> <li>High flash point.</li> </ul>		
RANGE	VISCOSITY @ 40°C (CST)		COPPER CORROSION		FLASH POINT °C	BASE OIL
	15		1a		>210	Ester + Vegetable Oil

MINIMUM QUANTITY  
LUBRICATION




<b>SUPRACO</b>	<b>PRODUCT NAME</b> <b>SUPRACO 1320 WR</b>		<b>SKU NR AND PACKAGING</b> 102939  PAIL 50 KG	
	<b>APPLICATION</b> For operations such as sawing, drilling, reaming, tapping and threading. Leaves no residues on parts after drying.		<b>ADVANTAGES</b> <ul style="list-style-type: none"><li>• Free from organo-chlorinated additives.</li><li>• Very high lubricating and Extreme Pressure properties.</li><li>• Stability to oxidation.</li><li>• Wide range of applications.</li><li>• Compatible with non-ferrous metals.</li></ul>	
	<b>VISCOSITY @ 40°C (CST)</b> 22	<b>COPPER CORROSION</b> 1a	<b>FLASH POINT °C</b> 180	<b>BASE OIL</b> Synthetic Alcohol



RANGE




# SOLUBLE MACHINING FLUIDS



The range of MotulTech High Performance cooling lubricants offers a large choice of effective, innovative and economical solutions for the most specialised industrial applications. Their formulation meets the strictest requirements of the current legislation. MotulTech proposes, in addition, an entire range of products and services to ensure the maintenance of fluids and to guarantee a high performance level.



SOLUBLE MACHINING FLUIDS	BIOCOOL	PRODUCT NAME		SKU NR AND PACKAGING			
		<b>BIOCOOL 3210</b>		105690  JERRYCAN 20 L	105693  DRUM 200 L	105691  IBC 1000 L	
		APPLICATION Light to moderate grinding and machining operations on ferrous metals and titanium. Recommended for low to medium water hardness.			ADVANTAGES • Formaldehydes free. • High cooling properties. • Approved by SNECMA on titanium.		
		TECHNOLOGY	APPEARANCE IN DILUTION	CONCENTRATION OF USE (depends on the application and the materials)	WATER HARDNESS	REFRACTOMETER FACTOR	
RANGE	Synthetic fluid	Translucent yellow green	3 - 8%	0 - 800 ppm	2.8		


SOLUBLE MACHINING FLUIDS	BIOCOOL	PRODUCT NAME		SKU NR AND PACKAGING			
		<b>BIOCOOL 3520</b>		108530  JERRYCAN 20 L	108318  DRUM 208 L		
		APPLICATION Dedicated to carbides and hard steel grinding requiring advanced cooling properties.			ADVANTAGES • Formaldehydes and formaldehydes releasers free. • Excellent biostability and stability in use. • Good separation from tramp oils. • Very good particles settling. • Avoid cobalt leaching.		
		TECHNOLOGY	APPEARANCE IN DILUTION	CONCENTRATION OF USE (depends on the application and the materials)	WATER HARDNESS	REFRACTOMETER FACTOR	
RANGE	Synthetic fluid	Yellow	3 - 6%	0 - 600 ppm	2.4		




SOLUBLE MACHINING FLUIDS	BIOCOOL	PRODUCT NAME		SKU NR AND PACKAGING			
		<b>BIOCOOL 3740</b>		108524  DRUM 208 L			
		APPLICATION All grinding and machining operations on hard metals. Particularly suited to metalworking which require high pressure (from 50 to 600 bars).			ADVANTAGES • Formaldehydes, formaldehydes releasers and boron free. • SNECMA approval on titanium. • Excellent lubrication and cooling properties. • Good separation from tramp oils. • Optimization of surface roughness and finishes. • Excellent biostability and stability in use.		
		TECHNOLOGY	APPEARANCE IN DILUTION	CONCENTRATION OF USE (depends on the application and the materials)	WATER HARDNESS	REFRACTOMETER FACTOR	
RANGE	Synthetic fluid	Yellow	3 - 15%	0 - 100 ppm	1.4		








<b>SOLUBLE MACHINING FLUIDS</b>	<b>BIOCOOL</b>	<b>PRODUCT NAME</b>		<b>SKU NR AND PACKAGING</b>		
		<b>BIOCOOL 3820</b>		107852 	106328 	JERRYCAN 20 L DRUM 208 L
		<b>APPLICATION</b> Light to moderate grinding and machining operations on ferrous metals and non ferrous metals. Recommended for low to medium water hardness.		<b>ADVANTAGES</b> • Boron free. • Formaldehydes free. • Good lubricity and cooling properties. • Excellent biostability and stability in use. • Good separation from tramp oils.		
<b>RANGE</b>	<b>TECHNOLOGY</b>	<b>APPEARANCE IN DILUTION</b>	<b>CONCENTRATION OF USE (depends on the application and the materials)</b>	<b>WATER HARDNESS</b>	<b>REFRACTOMETER FACTOR</b>	
	Synthetic fluid	Translucent	5 - 10%	0 - 600 ppm	2.1	




<b>SOLUBLE MACHINING FLUIDS</b>	<b>BIOCOOL</b>	<b>PRODUCT NAME</b>		<b>SKU NR AND PACKAGING</b>		
		<b>BIOCOOL 3110 GR</b>		108938 	108939 	JERRYCAN 20 L DRUM 208 L
		<b>APPLICATION</b> For applications requiring advanced deaeration properties and strong cooling power. Ensures optimum conditions in all grinding operations: plane, cylindrical, internal and external, on ferrous metals and hard metals.		<b>ADVANTAGES</b> • Formaldehydes, formaldehydes releasers and boron free. • Excellent biostability and stability in use. • Good separation from tramp oils. • Excellent cooling and detergency properties. • Very good particles settling properties.		
<b>RANGE</b>	<b>TECHNOLOGY</b>	<b>APPEARANCE IN DILUTION</b>	<b>CONCENTRATION OF USE (depends on the application and the materials)</b>	<b>WATER HARDNESS</b>	<b>REFRACTOMETER FACTOR</b>	
	Synthetic fluid	Clear	3 - 6%	100 - 500 ppm	2.9	


<b>SOLUBLE MACHINING FLUIDS</b>	<b>BIOCOOL</b>	<b>PRODUCT NAME</b>		<b>SKU NR AND PACKAGING</b>		
		<b>BIOCOOL 3837 GR</b>				DRUM 208 L
		<b>APPLICATION</b> Moderate to severe grinding and machining operations on ferrous metals. Recommended for low to medium water hardness.		<b>ADVANTAGES</b> • Boron free. • Formaldehydes free. • Excellent air release properties. • Very good lubricity and cooling properties. • Improvement of tool life.		
<b>RANGE</b>	<b>TECHNOLOGY</b>	<b>APPEARANCE IN DILUTION</b>	<b>CONCENTRATION OF USE (depends on the application and the materials)</b>	<b>WATER HARDNESS</b>	<b>REFRACTOMETER FACTOR</b>	
	Synthetic fluid	Translucent	5 - 12%	0 - 400 ppm	1.5	


<b>SOLUBLE MACHINING FLUIDS</b>	<b>SAFKOOL</b>	<b>PRODUCT NAME</b>		<b>SKU NR AND PACKAGING</b>			
		<b>SAFKOOL 6110</b>		107692 	106327 	106509 	JERRYCAN 20 L DRUM 200 L IBC 1000 L
		<b>APPLICATION</b> Light to moderate grinding and machining on ferrous metals. Recommended for low to medium water hardness.		<b>ADVANTAGES</b> • Formaldehydes free. • High cooling properties. • Low consumption. • Very good biostability. • Cleanliness of machines and parts.			
<b>RANGE</b>	<b>TECHNOLOGY</b>	<b>APPEARANCE IN DILUTION</b>	<b>CONCENTRATION OF USE (depends on the application and the materials)</b>	<b>WATER HARDNESS</b>	<b>REFRACTOMETER FACTOR</b>		
	Semi Synthetic fluid	Opalescent white-yellow	5 - 8%	100 - 400 ppm	2.3		


SAFKOOL	PRODUCT NAME		SKU NR AND PACKAGING			
	<b>SAFKOOL 6220</b>		108525 	100665 	101995 	JERRYCAN 20 L    DRUM 200 L    IBC 1000 L
	<b>APPLICATION</b> Light to moderate machining operations on ferrous and non ferrous metals. Recommended for medium to very high water hardness.			<b>ADVANTAGES</b> <ul style="list-style-type: none"> <li>• Formaldehydes and bactericide free.</li> <li>• Excellent stability in hard waters.</li> <li>• Cleanliness of machines and parts.</li> </ul>		
TECHNOLOGY	APPEARANCE IN DILUTION	CONCENTRATION OF USE (depends on the application and the materials)	WATER HARDNESS	REFRACTOMETER FACTOR		
Semi Synthetic fluid	Opalescent white-yellow	5 - 15%	250 - 800 ppm	1.7		


SAFKOOL	PRODUCT NAME		SKU NR AND PACKAGING			
	<b>SAFKOOL 6221</b>		108527 	108518 	JERRYCAN 20 L    DRUM 208 L	
	<b>APPLICATION</b> Light to moderate machining and grinding operations on ferrous and non ferrous metals. Recommended for medium to high water hardness.			<b>ADVANTAGES</b> <ul style="list-style-type: none"> <li>• Excellent biostability.</li> <li>• Product free from chlorine, sulfur and phosphorous additives.</li> <li>• Product free from safety labelling.</li> </ul>		
TECHNOLOGY	APPEARANCE IN DILUTION	CONCENTRATION OF USE (depends on the application and the materials)	WATER HARDNESS	REFRACTOMETER FACTOR		
Semi Synthetic fluid	Opalescent white-yellow	5 - 10%	300 - 600 ppm	1.9		


SAFKOOL	PRODUCT NAME		SKU NR AND PACKAGING			
	<b>SAFKOOL 6420</b>		105601 	105600 	105767 	JERRYCAN 20 L    DRUM 200 L    IBC 1000 L
	<b>APPLICATION</b> Moderate to severe machining and grinding operations on all metals, including aerospace alloys. Recommended for soft to medium water hardness. Suitable for high pressure jet (up to 70 bars).			<b>ADVANTAGES</b> <ul style="list-style-type: none"> <li>• Formaldehydes free.</li> <li>• Good release of tramp oils.</li> <li>• Approved by SNECMA on aluminium and titanium.</li> <li>• Product free of safety labelling.</li> <li>• Reduction of tools wear and improvement of surface roughness.</li> </ul>		
TECHNOLOGY	APPEARANCE IN DILUTION	CONCENTRATION OF USE (depends on the application and the materials)	WATER HARDNESS	REFRACTOMETER FACTOR		
Semi Synthetic fluid	Opalescent white-yellow	5 - 12%	50 - 600 ppm	1.65		

SAFKOOL	PRODUCT NAME		SKU NR AND PACKAGING			
	<b>SAFKOOL 6817 GR</b>		107375 	DRUM 208 L		
	<b>APPLICATION</b> Light to moderate machining and grinding operations on ferrous and non ferrous metals.			<b>ADVANTAGES</b> <ul style="list-style-type: none"> <li>• Boron free.</li> <li>• Formaldehydes free.</li> <li>• Very good cooling and detergency properties.</li> <li>• Very good particles settling properties.</li> </ul>		
TECHNOLOGY	APPEARANCE IN DILUTION	CONCENTRATION OF USE (depends on the application and the materials)	WATER HARDNESS	REFRACTOMETER FACTOR		
Semi Synthetic fluid	Opalescent white-yellow	5 - 8%	100 - 500 ppm	1.5		




SOLUBLE MACHINING FLUIDS	SAFKOOL	PRODUCT NAME		SKU NR AND PACKAGING			
		<b>SAFKOOL TMC</b>		107966			DRUM 208 L
		<b>APPLICATION</b> Emulsion dedicated to steel pipes cutting and profiling.		<b>ADVANTAGES</b> <ul style="list-style-type: none"> <li>• Formaldehyde and formaldehyde releasers free.</li> <li>• Boron free.</li> <li>• Excellent cooling and detergency properties.</li> <li>• Good separation of tramp oils.</li> <li>• Very good protection against corrosion.</li> <li>• Excellent biostability and stability in use.</li> </ul>			
RANGE	TECHNOLOGY	APPEARANCE IN DILUTION	CONCENTRATION OF USE (depends on the application and the materials)	WATER HARDNESS	REFRACTOMETER FACTOR		
	Semi Synthetic fluid	Clear brown	4 - 15%	200 - 800 ppm	1.35		

SOLUBLE MACHINING FLUIDS	STABILIS	PRODUCT NAME		SKU NR AND PACKAGING			
		<b>STABILIS 9120</b>		109073	109072		DRUM 208 L
		<b>APPLICATION</b> Water soluble metalworking fluid concentrate dedicated for general machining of copper alloys, cast iron, steel and standard aluminum alloys.		<b>ADVANTAGES</b> <ul style="list-style-type: none"> <li>• Excellent lubricating and cooling properties.</li> <li>• Low foaming product.</li> <li>• Excellent biostability in use.</li> </ul>			
RANGE	TECHNOLOGY	APPEARANCE IN DILUTION	CONCENTRATION OF USE (depends on the application and the materials)	WATER HARDNESS	REFRACTOMETER FACTOR		
	Emulsion	Translucent orange	4 - 10%	200 - 600 ppm	0.88		




SOLUBLE MACHINING FLUIDS	STABILIS	PRODUCT NAME		SKU NR AND PACKAGING			
		<b>STABILIS 9220</b>		108526	108509	108510	
		<b>APPLICATION</b> Light to moderate machining operations on ferrous and non ferrous metals. Suitable for medium to high hardness water.		<b>ADVANTAGES</b> <ul style="list-style-type: none"> <li>• Formaldehydes free.</li> <li>• Good compromise between lubricating and cooling properties.</li> </ul>			
RANGE	TECHNOLOGY	APPEARANCE IN DILUTION	CONCENTRATION OF USE (depends on the application and the materials)	WATER HARDNESS	REFRACTOMETER FACTOR		
	Emulsion	Fine emulsion	5 - 8%	100 - 600 ppm	1.2		

SOLUBLE FLUIDS MACHINING	STABILIS	PRODUCT NAME		SKU NR AND PACKAGING			
		<b>STABILIS 9230</b>		108529	108520	108523	
		<b>APPLICATION</b> Medium to severe machining operations on ferrous and non ferrous metals, including all aerospace alloys. High pressure compatible (up to 70 bars)		<b>ADVANTAGES</b> <ul style="list-style-type: none"> <li>• Formaldehyde free.</li> <li>• High lubrication performance.</li> <li>• Optimization of surface roughness and finishes.</li> <li>• Approved by SNECMA on aluminium and titanium.</li> </ul>			
RANGE	TECHNOLOGY	APPEARANCE IN DILUTION	CONCENTRATION OF USE (depends on the application and the materials)	WATER HARDNESS	REFRACTOMETER FACTOR		
	Emulsion	Fine emulsion	5 - 15%	100 - 400 ppm	1.0		


**SOLUBLE MACHINING FLUIDS**

<b>STABILIS</b>	<b>PRODUCT NAME</b>		<b>SKU NR AND PACKAGING</b>		
	<b>STABILIS 9421</b>		106793  JERRYCAN 20 L	108517  DRUM 208 L	105611  IBC 1000 L
	<b>APPLICATION</b> Micro-emulsion for all machining and grinding processes requiring high cooling and good lubricating properties. Recommended for the machining of ferrous and non-ferrous alloys. Suitable for soft water and high pressure jet.		<b>ADVANTAGES</b> <ul style="list-style-type: none"> <li>• High Speed Machining compatible.</li> <li>• Excellent stability and biostability in use.</li> <li>• Good release of tramp oils.</li> <li>• Excellent cooling and lubricating properties.</li> </ul>		
<b>TECHNOLOGY</b>	<b>APPEARANCE IN DILUTION</b>	<b>CONCENTRATION OF USE</b> (depends on the application and the materials)	<b>WATER HARDNESS</b>	<b>REFRACTOMETER FACTOR</b>	
<i>Semi Synthetic fluid</i>	<i>Opalescent white-yellow</i>	5 - 8%	50 - 600 ppm	1.4	
<b>RANGE</b>					



**SOLUBLE MACHINING FLUIDS**

<b>STABILIS</b>	<b>PRODUCT NAME</b>		<b>SKU NR AND PACKAGING</b>		
	<b>STABILIS 9820</b>		108528  JERRYCAN 20 L	108521  DRUM 208 L	108522  IBC 1000 L
	<b>APPLICATION</b> Emulsion for light to moderate machining operations on ferrous and non-ferrous alloys, including aerospace alloys and copper alloys.		<b>ADVANTAGES</b> <ul style="list-style-type: none"> <li>• Amine, boron and bactericid free.</li> <li>• Very good lubricity and cooling properties.</li> <li>• Excellent biostability.</li> <li>• Optimization of surface roughness and finish.</li> <li>• Approved by SNECMA on aluminium.</li> </ul>		
<b>TECHNOLOGY</b>	<b>APPEARANCE IN DILUTION</b>	<b>CONCENTRATION OF USE</b> (depends on the application and the materials)	<b>WATER HARDNESS</b>	<b>REFRACTOMETER FACTOR</b>	
<i>Emulsion</i>	<i>Milky white</i>	6 - 8%	150 - 400 ppm	0.9	
<b>RANGE</b>					

**SOLUBLE MACHINING FLUIDS**

<b>STABILIS</b>	<b>PRODUCT NAME</b>		<b>SKU NR AND PACKAGING</b>		
	<b>STABILIS 9837 AL</b>		107373  DRUM 208 L		
	<b>APPLICATION</b> Heavy duty machining on aluminium (cast & automotive) and steel alloys. Suitable for both soft and hard water.		<b>ADVANTAGES</b> <ul style="list-style-type: none"> <li>• Formaldehyde and boron free.</li> <li>• Good cooling and detergency properties.</li> <li>• Very good lubricity.</li> <li>• Good emulsion stability, even in hard waters.</li> <li>• Excellent biostability.</li> </ul>		
<b>TECHNOLOGY</b>	<b>APPEARANCE IN DILUTION</b>	<b>CONCENTRATION OF USE</b> (depends on the application and the materials)	<b>WATER HARDNESS</b>	<b>REFRACTOMETER FACTOR</b>	
<i>Emulsion</i>	<i>Milky white</i>	10%	100 - 500 ppm	1	
<b>RANGE</b>					


**SOLUBLE MACHINING FLUIDS**



<b>STABILIS</b>	<b>PRODUCT NAME</b>		<b>SKU NR AND PACKAGING</b>		
	<b>STABILIS 9920 AL</b>		108258  JERRYCAN 20 L	108241  DRUM 208 L	
	<b>APPLICATION</b> All machining processes on aluminum and its alloys. All machining operations on ferrous and non ferrous alloys on both soft and hard water.		<b>ADVANTAGES</b> <ul style="list-style-type: none"> <li>• Formaldehyde and formaldehyde releaser free.</li> <li>• Very good cooling and detergency properties.</li> <li>• Good lubrication properties.</li> <li>• Excellent stability in use.</li> <li>• Excellent biostability.</li> </ul>		
<b>TECHNOLOGY</b>	<b>APPEARANCE IN DILUTION</b>	<b>CONCENTRATION OF USE</b> (depends on the application and the materials)	<b>WATER HARDNESS</b>	<b>REFRACTOMETER FACTOR</b>	
<i>Emulsion</i>	<i>Clear brown</i>	4 - 10%	200 - 600 ppm	0.88	
<b>RANGE</b>					




# HEAT TREATMENT

A solution in Heat Treatment for each application, for specific requirements, for each of our customers.

In the light of extensive expertise, and being a crucial member of the A3TS, Heat Treatment Association, Motultech offers a range covering all applications from cold quenching with an aqueous quenching polymer to hot quenching at 250°C. This range is the result of a long joint development programme with heat treatment specialists. The search for high performance and productivity, with the respect for users and the environment, are the key factors. MotulTech technical experts will share their knowledge with the fundamental aim of assisting in your process improvement programmes by combining expertise with a comprehensive range of Heat Treatment products and services.



<b>HEAT TREATMENT</b>	<b>COLD QUENCHING</b>	<b>PRODUCT NAME</b>		<b>SKU NR AND PACKAGING</b>		
		<b>THERMIC TO10</b>		106694 	DRUM 208 L	
		<b>APPLICATION</b> Quenching of parts of simple geometry, made of good quenching power steel.		<b>ADVANTAGES</b> <ul style="list-style-type: none"> <li>• Excellent thermic shock resistance.</li> <li>• Reduced calefaction area.</li> <li>• Reduced fire risk thanks to high flash point.</li> <li>• Range of working temperature: 30°C - 90°C.</li> </ul>		
<b>VISCOSITY @ 40°C (CST)</b>		<b>FLASH POINT</b>		<b>COOLING SPEED</b>		
28		>210		Normal		
<b>RANGE</b>						

<b>HEAT TREATMENT</b>	<b>COLD QUENCHING</b>	<b>PRODUCT NAME</b>		<b>SKU NR AND PACKAGING</b>		
		<b>THERMIC TO10 R</b>		108493 	104956 	DRUM 208 L      IBC 1000 L
		<b>APPLICATION</b> Quenching of parts of complex geometry, made of semi-hard carbon steel, hard carbon steel, low to medium alloyed, and martensitic stainless steel.		<b>ADVANTAGES</b> <ul style="list-style-type: none"> <li>• Reduced strain and crack risks.</li> <li>• Excellent thermic shock resistance.</li> <li>• Reduced calefaction area.</li> <li>• Reduced fire risks thanks to high flash point.</li> <li>• Range of working temperature: 30°C to 90°C.</li> </ul>		
<b>VISCOSITY @ 40°C (CST)</b>		<b>FLASH POINT</b>		<b>COOLING SPEED</b>		
28		>220		Accelerated		
<b>RANGE</b>						

<b>HEAT TREATMENT</b>	<b>COLD QUENCHING</b>	<b>PRODUCT NAME</b>		<b>SKU NR AND PACKAGING</b>			
		<b>THERMIC TO19 R</b>		108497 	107790 	108498 	DRUM 208 L      IBC 1000 L      BULK
		<b>APPLICATION</b> Quenching of parts of complex geometry, made of semi-hard carbon steel, low to medium alloyed.		<b>ADVANTAGES</b> <ul style="list-style-type: none"> <li>• Reduced strain and crack risks.</li> <li>• Excellent thermic shock resistance.</li> <li>• Reduced calefaction area.</li> <li>• Reduced fire risks thanks to high flash point.</li> </ul>			
<b>VISCOSITY @ 40°C (CST)</b>		<b>FLASH POINT</b>		<b>COOLING SPEED</b>			
29		>192		Accelerated			
<b>RANGE</b>							




## HEAT TREATMENT

## COLD QUENCHING

PRODUCT NAME		SKU NR AND PACKAGING	
<b>THERMIC TO20 R</b>		106824  DRUM 208 L	104959  IBC 1000 L
<b>APPLICATION</b> Quenching of alloyed or non alloyed steels, hard to treat: semi-hard carbon steel and low alloyed steels.		<b>ADVANTAGES</b> <ul style="list-style-type: none"> <li>• Reduced strain and crack risks.</li> <li>• Excellent thermic shock resistance.</li> <li>• Reduced calefaction area.</li> <li>• Reduced fire risks thanks to high flash point.</li> </ul>	
<b>VISCOSITY @ 40°C (CST)</b> 22	<b>FLASH POINT</b> >190	<b>COOLING SPEED</b> Very	
RANGE			



## HEAT TREATMENT

## COLD QUENCHING

PRODUCT NAME		SKU NR AND PACKAGING		
<b>THERMIC TO26 R</b>		109328  DRUM 208 L	109329  IBC 1000 L	109342  BULK
<b>APPLICATION</b> Quenching of alloyed or non alloyed steels, semi hard or hard to treat with complex geometry.		<b>ADVANTAGES</b> <ul style="list-style-type: none"> <li>• Reduced strain and crack risks.</li> <li>• Excellent thermic shock resistance.</li> <li>• Reduced calefaction area.</li> <li>• Reduced fire risks thanks to high flash point.</li> <li>• Range of working temperature: 30°C - 90°C.</li> </ul>		
<b>VISCOSITY @ 40°C (CST)</b> 25	<b>FLASH POINT</b> >210	<b>COOLING SPEED</b> Very		
RANGE				



## HEAT TREATMENT


## SEMI HOT QUENCHING




PRODUCT NAME		SKU NR AND PACKAGING	
<b>THERMIC 15</b>		109330  DRUM 180 KG	109331  IBC 875 KG
<b>APPLICATION</b> Martensitic quenching of light geometry parts made of low to medium alloyed steels for mechanic construction.		<b>ADVANTAGES</b> <ul style="list-style-type: none"> <li>• Reduces strain and crack risks.</li> <li>• Excellent thermic shock resistance.</li> <li>• Cost effective product, thanks to fluidity at working temperature.</li> <li>• Optimised production due to the stability of quenching power.</li> <li>• Reduced fire risks due to high flash point.</li> </ul>	
<b>VISCOSITY @ 40°C (CST)</b> 45	<b>FLASH POINT</b> >230	<b>COOLING SPEED</b> Slightly	
RANGE			


## HEAT TREATMENT



## SEMI HOT QUENCHING



PRODUCT NAME		SKU NR AND PACKAGING	
<b>THERMIC 30 R</b>		109330  DRUM 208 L	109331  IBC 1000 L
<b>APPLICATION</b> Quenching of steel or alloyed steels difficult to treat.		<b>ADVANTAGES</b> <ul style="list-style-type: none"> <li>• Reduced strain and crack risks.</li> <li>• Excellent thermic shock resistance.</li> <li>• Cost effective product, thanks to fluidity at working temperature.</li> <li>• Reduced calefaction area.</li> <li>• Reduced fire risks thanks to high flash point.</li> </ul>	
<b>VISCOSITY @ 40°C (CST)</b> 32	<b>FLASH POINT</b> >220	<b>COOLING SPEED</b> Very	
RANGE			



<b>HEAT TREATMENT</b>	<b>HOT QUENCHING</b>	<b>PRODUCT NAME</b>		<b>SKU NR AND PACKAGING</b>	
		<b>THERMIC 30 FC</b>		109039  DRUM 208 L	
		<b>APPLICATION</b> Quenching of steels or alloyed steels, with low hardening capacities.		<b>ADVANTAGES</b> <ul style="list-style-type: none"> <li>• Reduced consumption thanks to its fluidity.</li> <li>• Reduce deformations and cracks risk.</li> <li>• Excellent thermal shock resistance.</li> <li>• Reduces the calefaction area.</li> <li>• Reduces fire risks tanks to its high flash point.</li> </ul>	
<b>RANGE</b>	<b>VISCOSITY @ 40°C (CST)</b> 28	<b>FLASH POINT</b> 222	<b>COOLING SPEED</b> Very accelerated		




<b>HEAT TREATMENT</b>	<b>HOT QUENCHING</b>	<b>PRODUCT NAME</b>		<b>SKU NR AND PACKAGING</b>		
		<b>THERMIC 100</b>		109282  DRUM 208 L	109283  IBC 1000 L	109301  BULK
		<b>APPLICATION</b> Heat treatment of alloyed steels and semi alloyed steels: - case hardening of low to medium alloyed steels; - carburizing of low alloyed steels; - hot quenching of carbon hard steels. Approved by PEUGEOT CITROEN.		<b>ADVANTAGES</b> <ul style="list-style-type: none"> <li>• Reduced strain and crack risks.</li> <li>• Excellent thermal stability.</li> <li>• High quenching speed.</li> <li>• Even results due to stable viscosity.</li> <li>• High flash point reducing risk of fire.</li> <li>• Low consumption due to fluidity, reduced drag-out losses.</li> </ul>		
<b>RANGE</b>	<b>VISCOSITY @ 40°C (CST)</b> 130	<b>FLASH POINT</b> 245	<b>COOLING SPEED</b> Accelerated			


<b>HEAT TREATMENT</b>	<b>HOT QUENCHING</b>	<b>PRODUCT NAME</b>		<b>SKU NR AND PACKAGING</b>	
		<b>THERMIC 100 FC</b>		108898  DRUM 208 L	
		<b>APPLICATION</b> Quenching of low and medium alloyed steels with complex shape.		<b>ADVANTAGES</b> <ul style="list-style-type: none"> <li>• Wide range of use temperature: 80-160°C.</li> <li>• Reduces strain and crack risks.</li> <li>• Excellent thermal stability.</li> <li>• Uniformed results.</li> <li>• Reduced the risk of fire thanks to a high flashpoint.</li> <li>• Low consumption.</li> </ul>	
<b>RANGE</b>	<b>VISCOSITY @ 40°C (CST)</b> 111	<b>FLASH POINT</b> 264	<b>COOLING SPEED</b> Very accelerated		

<b>HEAT TREATMENT</b>	<b>HOT QUENCHING</b>	<b>PRODUCT NAME</b>		<b>SKU NR AND PACKAGING</b>		
		<b>THERMIC 150</b>		100774  IBC 890 KG	100775  BULK	
		<b>APPLICATION</b> Heat treatment of alloyed steels and semi alloyed steels: - case hardening of low to medium alloyed steels; - carburizing of low alloyed steels; - hot quenching of carbon hard steels; Reinforced oxydation resistance. Approved by PEUGEOT-CITROEN.		<b>ADVANTAGES</b> <ul style="list-style-type: none"> <li>• Reduces strain and cracks risks.</li> <li>• Excellent thermal stability.</li> <li>• High quenching speed.</li> <li>• Even results due to stable viscosity.</li> <li>• High flash point.</li> <li>• Low consumption, due to fluidity, allows reduced drag-out losses.</li> </ul>		
<b>RANGE</b>	<b>VISCOSITY @ 40°C (CST)</b> 125	<b>FLASH POINT</b> 245	<b>COOLING SPEED</b> Accelerated			

<b>HEAT TREATMENT</b>	<b>VACUUM QUENCHING</b>	<b>SKU NR AND PACKAGING</b>		
		<b>PRODUCT NAME</b> <b>THERMIC SV6</b> 	<b>100761</b>  <b>DRUM 175 KG</b>	<b>100762</b>  <b>IBC 827 KG</b>
		<b>APPLICATION</b> Vacuum and incorporated oil quenching on all kind of parts, every size and geometry.	<b>ADVANTAGES</b> <ul style="list-style-type: none"> <li>• Constant cooling power.</li> <li>• Leaves no stain on the parts.</li> <li>• Simplified and economical waste treatment.</li> <li>• Excellent oxidation and cracking resistance.</li> <li>• Working temperature : 30°C - 130°C.</li> </ul>	
<b>RANGE</b>	<b>VISCOSITY @ 40°C (CST)</b> 30	<b>FLASH POINT</b> 230	<b>COOLING SPEED</b> Normal	

<b>HEAT TREATMENT</b>	<b>INDUCTION HARDENING</b>	<b>SKU NR AND PACKAGING</b>		
		<b>PRODUCT NAME</b> <b>THERMIC SH615</b> 	<b>100777</b>  <b>DRUM 209 L</b>	<b>100778</b>  <b>IBC 1000 L</b>
		<b>APPLICATION</b> Superficial induction or conduction quenching Concentration in use depends on the kind of steels to be treated and seeked depth of treatment. Concentration between 6 and 15%, temperature between 30 and 50°C.	<b>ADVANTAGES</b> <ul style="list-style-type: none"> <li>• Low concentration.</li> <li>• Reduced product consumption: loss in chips and parts is limited.</li> <li>• Easy filtration of baths (no clogging of filters).</li> <li>• Short term corrosion protection of quenched parts, avoids using additional temporary protection product.</li> </ul>	
<b>RANGE</b>	<b>VISCOSITY @ 40°C (CST)</b> 64			

<b>HEAT TREATMENT</b>	<b>INDUCTION HARDENING</b>	<b>SKU NR AND PACKAGING</b>			
		<b>PRODUCT NAME</b> <b>THERMIC SP</b> 	<b>107289</b>  <b>JERRYCAN 20 L</b>	<b>100771</b>  <b>DRUM 210 KG</b>	<b>105736</b>  <b>IBC 1000 L</b>
		<b>APPLICATION</b> Water soluble, synthetic liquid, used diluted in water for surface hardening operations which facilitate efficient protection against the corrosion of the treated parts as well as machine parts.	<b>ADVANTAGES</b> <ul style="list-style-type: none"> <li>• Stable in use.</li> <li>• Compatible with several water hardnesses.</li> <li>• Leaves no deposits on parts.</li> <li>• Excellent filtrability.</li> <li>• High microorganisms resistance.</li> </ul>		
<b>RANGE</b>					

<b>HEAT TREATMENT</b>	<b>HOT QUENCHING</b>	<b>SKU NR AND PACKAGING</b>	
		<b>PRODUCT NAME</b> <b>THERMIC B</b> 	<b>107909</b>  <b>DRUM 208 L</b>
		<b>APPLICATION</b> Tempering stop and blackening operations. Suitable for tempering stop of small parts not sensitive to distortion. Suitable for blackening and corrosion protection of steel parts.	<b>ADVANTAGES</b> <ul style="list-style-type: none"> <li>• Odorless fine emulsion.</li> <li>• Good stability in use.</li> <li>• Without boron.</li> <li>• Good protection against corrosion.</li> </ul>
<b>RANGE</b>			



PRODUCT NAME

**THERMIC FGP**

SKU NR AND PACKAGING

100776



DRUM 210 KG

102009



IBC 1022 KG

**APPLICATION**

Water extendible Synthetic fluid for mass quenching.  
Can be diluted between 10% to 25%, according to steels shades to be treated.  
Recommended bath temperature between 25°C and 45°C.

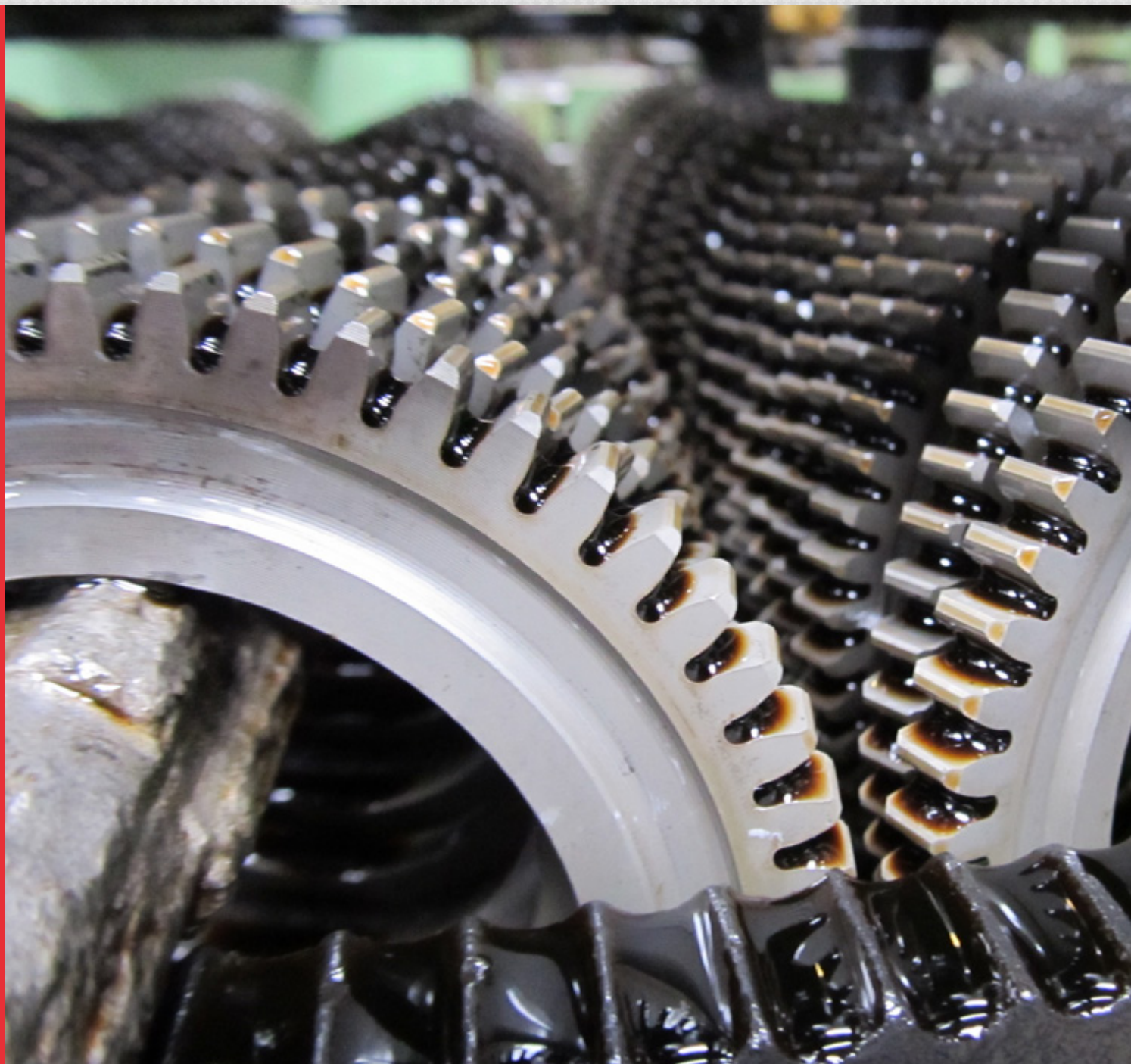
**ADVANTAGES**

- Reduce fire risks and smokes emissions.
- Reduce cracking risks.
- Stable in use.
- Reduce consumption.

VISCOSITY @ 40°C (CST)




43



RANGE







# FORMING




Every forming, drawing and pressing application has specific constraints, each of our customers is unique. It is for this reason that MotulTech offers a wide range of soluble and neat deformation products. Listening to your requirements, our experts develop products that reconcile the search for high performance and productivity with the respect for users and the increasingly important environmental factors. Expert assistance is always available to tailor-make solutions to fit your process.


<b>FORMING</b>	<b>COLD HEADING</b>	<b>SKU NR AND PACKAGING</b>			
		<b>PRODUCT NAME</b>	108488 	108489 	106185 
		<b>UNIVERSELLE 55 SC</b>	DRUM 208 L	IBC 1000 L	BULK
		<b>APPLICATION</b> Multi-purpose oil suitable for: • Tapping by cutting or by deformation. • Rolling and threading by deformation. • Horizontal and vertical presses. • Machine-tools lubrication (anti-wear property).		<b>ADVANTAGES</b> • Free from organo-chlorinated additives • Mixed use cold forging/lubrication. • Non staining on non-ferrous metals. • Very high extreme pressure capacities. • Not corrosive towards machine parts lubricated with oil flow. • Very high lubrication properties.	
<b>VISCOSITY @ 40°C (CST)</b>	<b>COPPER CORROSION</b>		<b>FLASH POINT °C</b>		
55	1b		>180		
<b>RANGE</b>					


<b>FORMING</b>	<b>COLD HEADING</b>	<b>SKU NR AND PACKAGING</b>			
		<b>PRODUCT NAME</b>	104866 	104855 	
		<b>UNIVERSELLE 68 SC</b>	DRUM 208 L	IBC 1000 L	
		<b>APPLICATION</b> Multi-purpose oil suitable for: • Tapping by cutting or by deformation. • Rolling and threading by deformation. • Horizontal and vertical presses. • Machine-tools lubrication (anti-wear property).		<b>ADVANTAGES</b> • Free from organo-chlorinated additives. • Mixed use cold forging/lubrication. • Non staining on non-ferrous metals. • Very high extreme pressure capacities • Not corrosive towards machine parts lubricated with oil flow. • Very high lubrication properties.	
<b>VISCOSITY @ 40°C (CST)</b>	<b>COPPER CORROSION</b>		<b>FLASH POINT °C</b>		
68	1b		214		
<b>RANGE</b>					



<b>FORMING</b>	<b>COLD HEADING</b>	<b>SKU NR AND PACKAGING</b>			
		<b>PRODUCT NAME</b>	104875 	104609 	
		<b>UNIVERSELLE 90 SC</b>	DRUM 208 L	IBC 1000 L	
		<b>APPLICATION</b> Multi-purpose oil suitable for: • Tapping by cutting or by deformation. • Rolling and threading by deformation. • Horizontal and vertical presses. • Machine-tools lubrication (anti-wear property).		<b>ADVANTAGES</b> • Free from organo-chlorinated additives. • Mixed use cold forging/lubrication. • Non staining on non-ferrous metals. • Very high extreme pressure capacities • Not corrosive towards machine parts lubricated with oil flow. • Very high lubrication properties.	
<b>VISCOSITY @ 40°C (CST)</b>	<b>COPPER CORROSION</b>		<b>FLASH POINT °C</b>		
90	1a		222		
<b>RANGE</b>					


<b>FORMING</b>	<b>COLD HEADING</b>	<b>PRODUCT NAME</b> <b>UNIVERSELLE 150 SC</b>		<b>SKU NR AND PACKAGING</b> 108490  IBC 1000 L		106189  BULK	
		<b>APPLICATION</b> Multi-purpose oil suitable for: <ul style="list-style-type: none"> <li>• Tapping by cutting or by deformation.</li> <li>• Machine-tools lubrication (anti-wear property).</li> </ul>			<b>ADVANTAGES</b> <ul style="list-style-type: none"> <li>• Free from organo-chlorinated additives.</li> <li>• Mixed use cold forging/lubrication.</li> <li>• Non staining on non-ferrous metals.</li> <li>• Very high extreme pressure capacities.</li> <li>• Not corrosive towards machine parts lubricated with oil flow.</li> <li>• Very high lubrication properties.</li> </ul>		
		<b>VISCOSITY @ 40°C (CST)</b> 150		<b>COPPER CORROSION</b> 1a		<b>FLASH POINT °C</b> 210	
<b>RANGE</b>							


<b>FORMING</b>	<b>COLD HEADING</b>	<b>PRODUCT NAME</b> <b>UNIVERSELLE 800 SC</b>		<b>SKU NR AND PACKAGING</b> 104787  JERRYCAN 20 L		106398  DRUM 208 L		104771  IBC 1000 L	
		<b>APPLICATION</b> Very high-performance multi-purpose heading oil for: <ul style="list-style-type: none"> <li>• Tapping by cutting or by deformation.</li> <li>• Rolling and threading by deformation.</li> <li>• Horizontal and vertical presses.</li> <li>• Machine-tools lubrication (anti-wear property) cold forming.</li> <li>• Can be used as a booster in neat and cold forming oil (5-20%).</li> </ul>			<b>ADVANTAGES</b> <ul style="list-style-type: none"> <li>• Free from organo-chlorinated additives.</li> <li>• Mixed use cold forging/lubrication</li> <li>• Non staining on non-ferrous metals.</li> <li>• Very high extreme pressure capacities.</li> <li>• Not corrosive towards machine parts lubricated with oil flow.</li> <li>• Very high lubrication properties.</li> </ul>				
		<b>VISCOSITY @ 40°C (CST)</b> 150		<b>COPPER CORROSION</b> 4b		<b>FLASH POINT °C</b> 194			
<b>RANGE</b>									




<b>FORMING</b>	<b>COLD HEADING</b>	<b>PRODUCT NAME</b> <b>CENTER OIL FZ-4001E</b>		<b>SKU NR AND PACKAGING</b> 104602  DRUM 208 L		
		<b>APPLICATION</b> High-performance neat cold forming oil. Suitable for: <ul style="list-style-type: none"> <li>• Cold forging and stamping of press on steel, carbon steel, alloyed steel and stainless steel.</li> <li>• Drawing of steel, carbon steel, alloyed steel and stainless steel.</li> </ul>			<b>ADVANTAGES</b> <ul style="list-style-type: none"> <li>• Non chlorinated.</li> <li>• Extended tool life.</li> <li>• Better parts finishing.</li> </ul>	
		<b>VISCOSITY @ 40°C (CST)</b> 136		<b>COPPER CORROSION</b> 1a		<b>FLASH POINT °C</b> 204
<b>RANGE</b>						



<b>FORMING</b>	<b>COLD HEADING</b>	<b>PRODUCT NAME</b> <b>CENTER OIL FZ-8081E</b>		<b>SKU NR AND PACKAGING</b> 106508  DRUM 208 L		
		<b>APPLICATION</b> High-performance neat oil designed for vertical press or transfer machines applications. Recommended for thin metal sheets (around 3 mm) stamping and cutting.			<b>ADVANTAGES</b> <ul style="list-style-type: none"> <li>• Non chlorinated.</li> <li>• Extended tool life thanks to EP and lubricating properties.</li> <li>• Better parts finishing.</li> </ul>	
		<b>VISCOSITY @ 40°C (CST)</b> 23		<b>COPPER CORROSION</b> 1a		<b>FLASH POINT °C</b> 188
<b>RANGE</b>						


<b>FORMING</b>	<b>COLD HEADING</b>	<b>PRODUCT NAME</b> <b>CENTER OIL FZ-8209E</b>		<b>SKU NR AND PACKAGING</b> 105801  DRUM 208 L		105910  IBC 1000 L			
		<b>APPLICATION</b> High-performance neat cold forming oil. Suitable for cold forging, stamping and drawing on steel, carbon steel, alloyed steel and stainless steel. Recommended for thick metal sheets (>6mm) stamping and cutting. For ferrous parts only.				<b>ADVANTAGES</b> <ul style="list-style-type: none"> <li>• Non chlorinated.</li> <li>• Extended tool life for punches and dies.</li> <li>• Excellent performance for plate forming and bending.</li> <li>• Better parts finishing.</li> </ul>			
		<b>VISCOSITY @ 40°C (CST)</b> 387		<b>COPPER CORROSION</b> 4c		<b>FLASH POINT °C</b> 192			
<b>RANGE</b>									



<b>FORMING</b>	<b>STAMPING &amp; BLANKING</b>	<b>PRODUCT NAME</b> <b>ELECTRIC 40A</b>		<b>SKU NR AND PACKAGING</b> 100816  DRUM 180 KG					
		<b>APPLICATION</b> Neat oil used for the impregnation of induction core contactors, circuit breakers and other similar devices.				<b>ADVANTAGES</b> <ul style="list-style-type: none"> <li>• Reduced compaction of induction metal sheet.</li> <li>• Can be used for both degreasing and impregnation before assembly.</li> <li>• Reduced consumption (less than 50 mg per assembly).</li> <li>• Water repellent, prevents scrubbing and oxidation.</li> </ul>			
		<b>VISCOSITY @ 40°C (CST)</b> 45		<b>COPPER CORROSION</b> 1a		<b>FLASH POINT °C</b> 216			
<b>RANGE</b>									



<b>FORMING</b>	<b>VANISHING OILS</b>	<b>PRODUCT NAME</b> <b>CADREX V877</b>		<b>SKU NR AND PACKAGING</b> 104874  DRUM 200 L					
		<b>APPLICATION</b> Vanishing fluid designed for the forming and cutting of thin sheets of ferrous and non-ferrous metals.				<b>ADVANTAGES</b> <ul style="list-style-type: none"> <li>• Multi-purpose and versatile thanks to its fluidity.</li> <li>• No degreasing step after metalworking.</li> <li>• Ready to use.</li> <li>• Contains an extreme-pressure, chlorine-free additive.</li> <li>• Compatible with non-ferrous metals.</li> </ul>			
		<b>VISCOSITY @ 40°C (CST)</b> 1.5		<b>COPPER CORROSION</b> 1a		<b>FLASH POINT °C</b> 74			
<b>RANGE</b>									

<b>FORMING</b>	<b>VANISHING OILS</b>	<b>PRODUCT NAME</b> <b>CADREX EV1100</b>		104714  CAN 25 L		104715  DRUM 200 L		105871  IBC 1000 L			
		<b>APPLICATION</b> Vanishing fluid, specifically designed for the forming and cutting of steel, stainless steel, aluminium and copper alloys. Complies with US FDA status and meets the requirements of the food industry.				<b>ADVANTAGES</b> <ul style="list-style-type: none"> <li>• Odourless.</li> <li>• High evaporation rate.</li> <li>• Low surface tension.</li> <li>• Application: low pressure spraying, roller, impregnation by dipping.</li> </ul>					
		<b>VISCOSITY @ 40°C (CST)</b> 1.8		<b>COPPER CORROSION</b> 1a		<b>FLASH POINT °C</b> 62					
<b>RANGE</b>											

<b>FORMING</b>	<b>VANISHING OILS</b>	<b>SKU NR AND PACKAGING</b>		
		<b>PRODUCT NAME</b> <b>CADREX EV1400</b>	<b>104716</b>  <b>CAN 25 L</b>	<b>107358</b>  <b>DRUM 200 L</b>
		<b>APPLICATION</b> Vanishing fluid, specifically designed for the forming and cutting of steel, stainless steel, aluminium and copper alloys. Complies with US FDA status and meets the requirements of the food industry.	<b>ADVANTAGES</b> <ul style="list-style-type: none"> <li>• Odourless.</li> <li>• High evaporation rate.</li> <li>• Low surface tension.</li> <li>• Application: low pressure spraying, roller, impregnation by dipping.</li> </ul>	
<b>RANGE</b>	<b>VISCOSITY @ 40°C (CST)</b> 1.9	<b>COPPER CORROSION</b> 1a	<b>FLASH POINT °C</b> 64	

<b>FORMING</b>	<b>VANISHING OILS</b>	<b>SKU NR AND PACKAGING</b>	
		<b>PRODUCT NAME</b> <b>CADREX EV1600</b>	<b>105733</b>  <b>CAN 25 L</b>
		<b>APPLICATION</b> Vanishing fluid designed for the forming and cutting of steel, stainless steel, aluminum and copper alloys. Suitable for the fine cutting of thick parts (30mm). Complies with US FDA status and meets the requirements of the food industry.	<b>ADVANTAGES</b> <ul style="list-style-type: none"> <li>• Odourless.</li> <li>• High evaporation rate.</li> <li>• Low surface tension.</li> <li>• Application: low pressure spraying, roller, impregnation by dipping.</li> </ul>
<b>RANGE</b>	<b>VISCOSITY @ 40°C (CST)</b> 1.5	<b>COPPER CORROSION</b> 1a	<b>FLASH POINT °C</b> 62

<b>FORMING</b>	<b>VANISHING OILS</b>	<b>SKU NR AND PACKAGING</b>		
		<b>PRODUCT NAME</b> <b>CADREX EV4012</b>	<b>105676</b>  <b>CAN 25 L</b>	<b>105855</b>  <b>DRUM 200 L</b>
		<b>APPLICATION</b> Vanishing fluid, specially designed for forming and cutting of steel, stainless steel, aluminum and copper alloys. Complies with US FDA status and meets the requirements of the food industry.	<b>ADVANTAGES</b> <ul style="list-style-type: none"> <li>• Deodorised product.</li> <li>• High evaporation rate.</li> <li>• Dry content without wax.</li> <li>• Low surface tension.</li> </ul>	
<b>RANGE</b>	<b>VISCOSITY @ 40°C (CST)</b> 2.6	<b>COPPER CORROSION</b> 1a	<b>FLASH POINT °C</b> 105	

<b>FORMING</b>	<b>NEAT &amp; SOLUBLE FORMING OILS</b>	<b>SKU NR AND PACKAGING</b>		
		<b>PRODUCT NAME</b> <b>CADREX DR40 SC</b>	<b>104373</b>  <b>CAN 20 L</b>	<b>107345</b>  <b>DRUM 208 L</b>
		<b>APPLICATION</b> Neat oil designed for drawing, bending, reshaping and fine blanking on all ferrous and non-ferrous metals, under low-duty conditions. Approved by RENAULT.	<b>ADVANTAGES</b> <ul style="list-style-type: none"> <li>• Non chlorinated product.</li> <li>• No yellowing under HPRL lightning.</li> <li>• Provides short term protection if not rinsed.</li> <li>• Lubricant residues easy to clean before paint application.</li> </ul>	
<b>RANGE</b>	<b>VISCOSITY @ 40°C (CST)</b> 40	<b>COPPER CORROSION</b> 1a	<b>FLASH POINT °C</b> >155	

## FORMING

## NEAT &amp; SOLUBLE FORMING OILS

PRODUCT NAME

## CADREX DR100 SC

SKU NR AND PACKAGING

106980



DRUM 208 L

APPLICATION

Neat oil designed for drawing, bending, reshaping and fine cutting on all ferrous and non-ferrous metals, even under severe conditions. Approved by Renault.

ADVANTAGES

- Non chlorinated product.
- No yellowing under HPRL lightning.
- Provides short term protection if not rinsed.
- Lubricant residues easy to clean before paint application.
- No impact on the welding process such as bad connection or smoke formation.

RANGE VISCOSITY @ 40°C (CST)

100

COPPER CORROSION

1a

FLASH POINT °C

200

RANGE

## FORMING

## NEAT &amp; SOLUBLE FORMING OILS

PRODUCT NAME

## CADREX DR220 SC

SKU NR AND PACKAGING

106952



DRUM 208 L

APPLICATION

Neat oil designed for deep drawing, bending, reshaping and fine cutting on all ferrous and non-ferrous metals, under severe conditions. Approved by Renault.

ADVANTAGES

- Non chlorinated product.
- No yellowing under HPRL lightning.
- Provides short term protection if not rinsed.
- Lubricant residues easy to clean before paint application.
- No impact on the welding process such as bad connection or smoke formation.

RANGE VISCOSITY @ 40°C (CST)

220

COPPER CORROSION

1a

FLASH POINT °C

220

RANGE

## FORMING

## NEAT &amp; SOLUBLE FORMING OILS

PRODUCT NAME

## CADREX FL100

SKU NR AND PACKAGING

106088



DRUM 208 L

APPLICATION

Water soluble fluid for deformation, stamping and fine blanking operations from medium to heavy duty. Reinforced Extreme Pressure properties allowing operations on hard materials such as stainless steel.

ADVANTAGES

- Very high lubrication properties.
- Very high extreme pressure capacities.
- Low foaming.
- Excellent biostability.

RANGE VISCOSITY @ 40°C (CST)

100

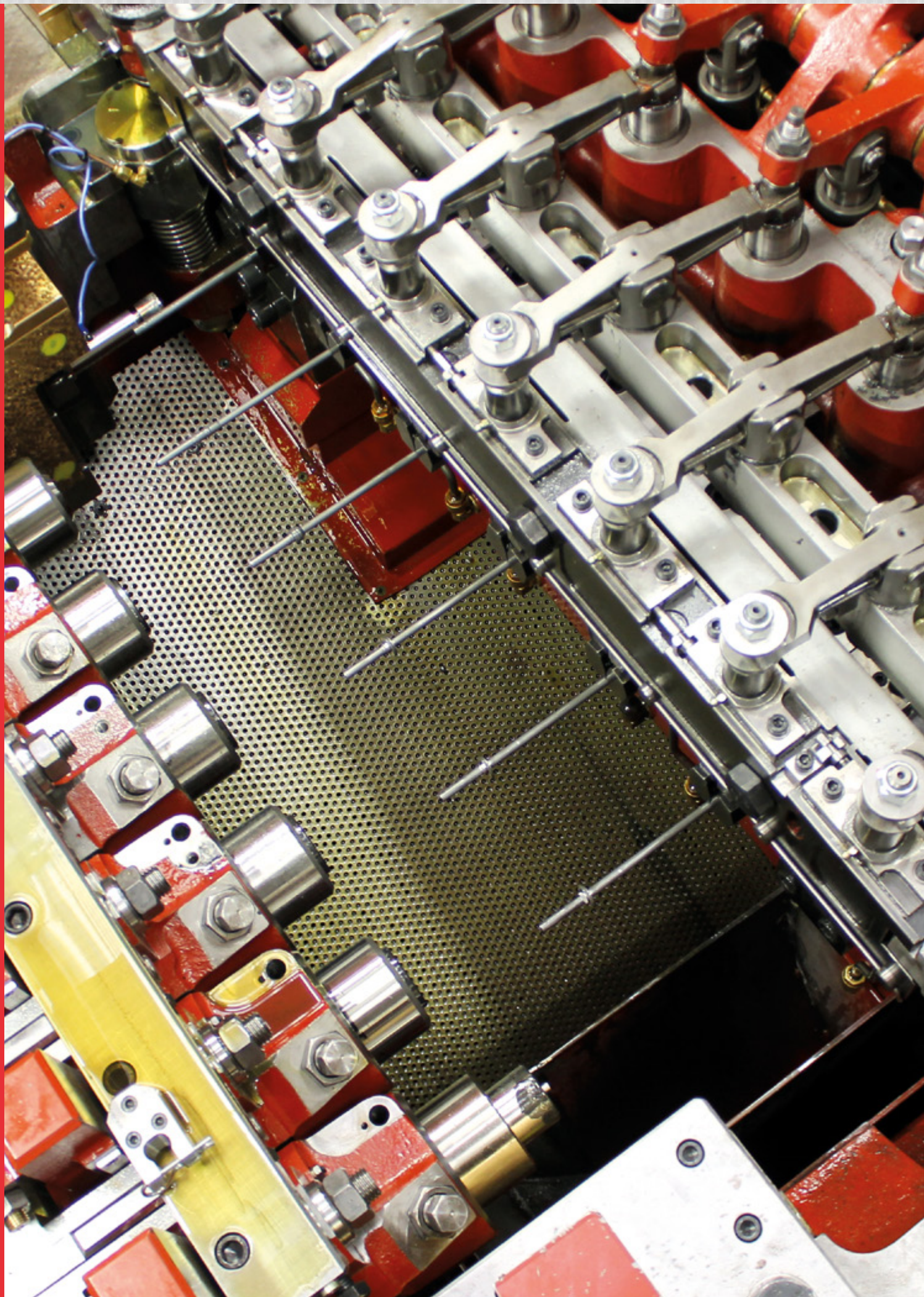
COPPER CORROSION

4b

FLASH POINT °C

&gt;200

RANGE



# CLEANING & PROTECTION

20

In order to offer a comprehensive solution for all the metal working and maintenance workshop, MotulTech has designed a wide range of cleaning fluids and rust preventatives.

Always attentive to your needs, and thanks to their knowledge of your activity, our experts develop products reconciling search for performance and productivity with operators and environment respect. Cleaning and protection seriously influence the quality of delivered parts. Thus, the use of efficient, safe and guaranteed products from a major manufacturer is essential for performance and safety in a workshop on a daily basis.

Moreover, the choice of a protection product is essential since it intervenes at the end of the manufacturing process, on high-value added machined parts, where the quality of the corrosion protection will be a central factor for the quality and integrity of the finished goods received by the customer, internal or external.



**39-40** CLEANERS




**41-42** RUST PREVENTATIVES






# CLEANERS



Useful and common place in all the workshops, cleaning products have to offer optimal cleaning performance while presenting the least possible risk for the industrialist and the users. They have to meet several requirements: degreasing power, drying speed, high flash point, low H&S risk. The new formulas of cleaners make it possible to combine these seemingly contradictory requirements. The MotulTech range offers solutions that cover most of the needs of industrialists, in full conformity with the current legislation.

<b>CLEANERS</b>	<b>PRODUCT NAME</b>		<b>SKU NR AND PACKAGING</b>	
	<b>SAFCO KLEEN 21</b>		104542	106130
				
			CAN 25 L	DRUM 200 L
<b>APPLICATION</b> Degreasing solvent for: • Degreasing mechanical and plastic parts. • Cleaning of excess glue or resin. • Preparation of surfaces prior to bonding or painting. • Cleaning polluted electrical equipment. • Maintenance in food processing environments.		<b>ADVANTAGES</b> • Fast evaporation. • High purity index. • Excellent degreasing solvent suitable for considerable levels of pollution. • Large field of applications.		
<b>SOLVING POWER (KB INDEX)</b>		<b>FLASH POINT</b>	<b>EVAPORATING RATE</b>	<b>COPPER CORROSION</b>
85		22°C	10 min	1a


<b>CLEANERS</b>	<b>PRODUCT NAME</b>		<b>SKU NR AND PACKAGING</b>		
	<b>SAFCO KLEEN 53</b>		104539	106137	100848
					
			CAN 25 L	DRUM 200 L	IBC 1000 L
<b>APPLICATION</b> Metallic parts cleaning in food processing environment.		<b>ADVANTAGES</b> • NSF approval. • Odorless. • Operator friendly. • Advanced solvency properties facilitating the good decantation of pollutants.			
<b>SOLVING POWER (KB INDEX)</b>		<b>FLASH POINT</b>	<b>EVAPORATING RATE</b>	<b>COPPER CORROSION</b>	
50		33°C	6 min	1a	

<b>CLEANERS</b>	<b>PRODUCT NAME</b>		<b>SKU NR AND PACKAGING</b>		
	<b>SAFCO KLEEN 60</b>		104540	106180	104637
					
			CAN 25 L	DRUM 200 L	IBC 1000 L
<b>APPLICATION</b> Mechanical parts, metal or plastics cleaning of: • Metal working oils, fat or soap grease. • Temporary protection products. • Polluted substrates, organic or inorganic compounds. • Polluted electrical equipment and electric motors.		<b>ADVANTAGES</b> • Compatible with all metals, including coated or precious metals. • Compatible with most thermoplastics and plastics. • Can be used on most composites. • High flash point.			
<b>SOLVING POWER (KB INDEX)</b>		<b>FLASH POINT</b>	<b>EVAPORATING RATE</b>	<b>COPPER CORROSION</b>	
33		56°C	42 min	1a	


## CLEANERS

<b>PRODUCT NAME</b>		<b>SKU NR AND PACKAGING</b>	
<b>SAFCO KLEEN 92</b>		104541 	108501 
		CAN 25 L	DRUM 200 L
<b>APPLICATION</b> • Multi-purpose product. • Cleaning of non-polymerized excess glues or resins. • Cleaning of ink. • Surface preparation. • Defluxing.		<b>ADVANTAGES</b> • Multi-purpose. • Product without flashpoint. • Fast evaporation. • Compatible with metals, some plastics and elastomers.	
<b>SOLVING POWER (KB INDEX)</b>	<b>FLASH POINT</b>	<b>EVAPORATING RATE</b>	<b>COPPER CORROSION</b>
115	NA	15 min	1a

## CLEANERS

<b>PRODUCT NAME</b>		<b>SKU NR AND PACKAGING</b>	
<b>SAFCO KLEEN VF150</b>		102521 	DRUM 200 L
<b>APPLICATION</b> Fountain degreasing fluid. Removal of all used lubricants, metalworking fluids (soluble and neat), protection fluids, tars...		<b>ADVANTAGES</b> • VOC free. • Odourless. • Vegetable oil base. • Non-flammable. • Good dermatological behavior. • Good compatibility with all materials. • NSF approval.	
<b>SOLVING POWER (KB INDEX)</b>	<b>FLASH POINT</b>	<b>EVAPORATING RATE</b>	<b>COPPER CORROSION</b>
50	103°C	does not evaporate	1a




## CLEANING &amp; PROTECTION



<b>PRODUCT NAME</b>		<b>SKU NR AND PACKAGING</b>	
<b>SAFCO KLEEN VF200</b>		103126 	DRUM 200 L
<b>APPLICATION</b> Technical fluid specifically developed to replace petroleum and chlorinated solvents in their applications to cold or hot surface. Suitable for sensitive materials and confined environments. Cleaning or degreasing of mechanical parts or machining fluid residues.		<b>ADVANTAGES</b> • Vegetable ester based. • VOC free. • Non-flammable. Flash point over 170 ° C, avoiding any ATEX risks. • Compatible with most materials, metals, plastics, elastomers, rubber, painted surfaces.	
<b>SOLVING POWER (KB INDEX)</b>	<b>FLASH POINT</b>	<b>EVAPORATING RATE</b>	<b>COPPER CORROSION</b>
>100	>170°C	does not evaporate	1a



# RUST PREVENTATIVES




Formulated on the basis of the latest generation of anti-corrosion additives and deodorized solvents, MotulTech's new MTProtect range meets the performance, durability and health & safety requirements of operators.

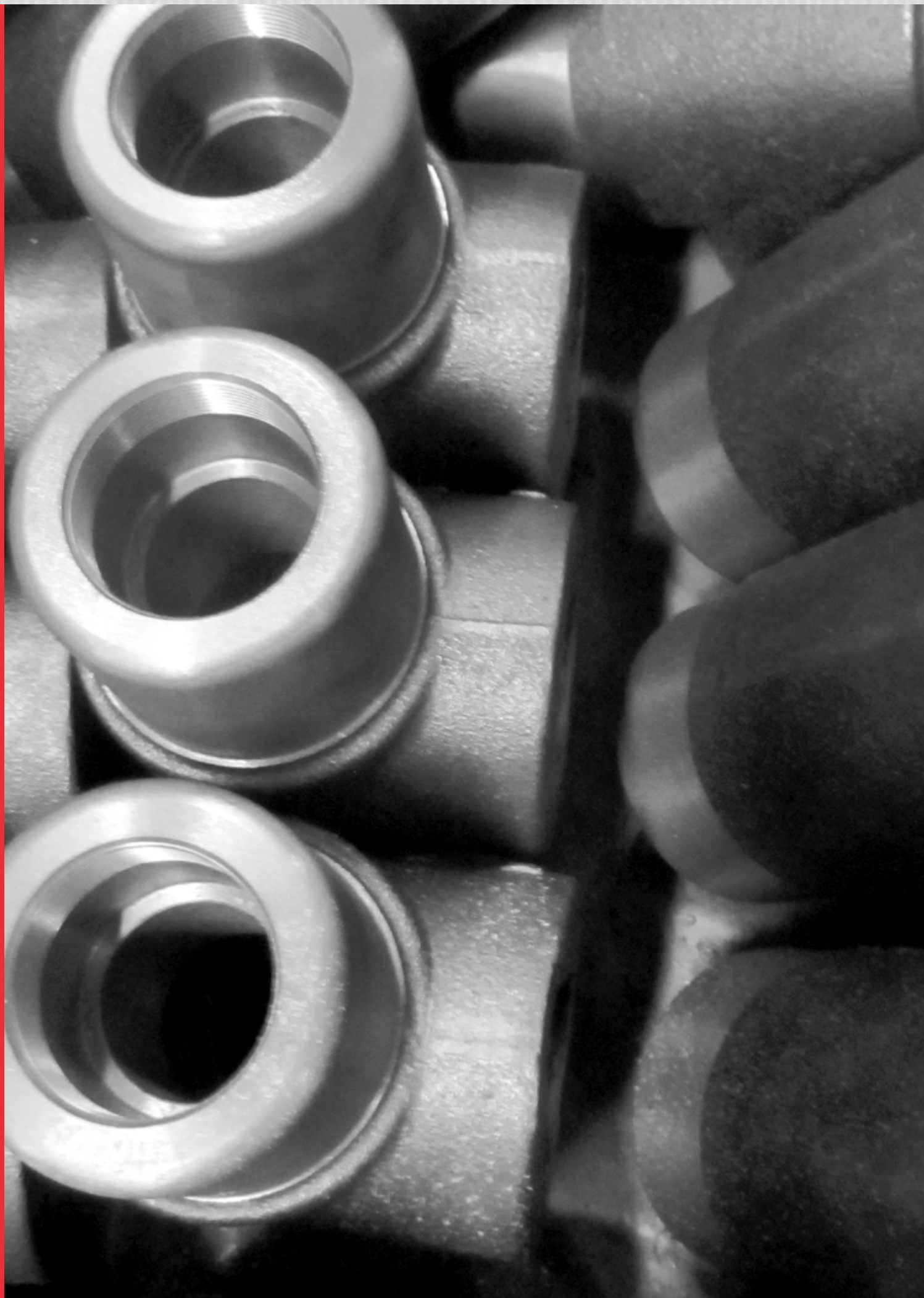
The MotulTech range of rust preventatives, formulated using barium-free additives, offers a range of high-performance solutions for industrial metal protection problems. All the solvent-based protection products of the range have, first and foremost, a water-repellent action. This makes it possible to apply the anti-corrosion compounds on a perfectly dry surface, the first step for an effective protection against corrosion. The choice of the product will then be made according to the duration of protection sought, the environment of storage and / or transport of the part, the drying speed of the protection product.

<b>RUST PREVENTATIVES</b>	<b>SOLVENT BASE</b>	<b>SKU NR AND PACKAGING</b>			
		<b>PRODUCT NAME</b>	105806	105807	107166
		<b>MT SOLV PROTECT</b>	 JERRYCAN 20 L	 DRUM 200 L	 IBC 1000 L
		<b>APPLICATION</b> Highly water repellent fluid for corrosion protection of metal parts or assemblies. Recommended for interoperation or short term corrosion prevention of metallic parts or components.	<b>ADVANTAGES</b> <ul style="list-style-type: none"> <li>Prevents corrosion of metal parts by hand contact.</li> <li>Repels water from part very quickly.</li> <li>Fast evaporation rate.</li> <li>Well adapted for interoperation protection.</li> <li>Without barium or hazardous components.</li> <li>Based on low odor raw materials.</li> </ul>		
<b>FILM THICKNESS</b>	<b>FLASH POINT °C</b>		<b>EVAPORATION SPEED</b>		
<b>TYPE</b> 0,5 µm	>70 °C		Fast		

<b>RUST PREVENTATIVES</b>	<b>OIL BASE</b>	<b>SKU NR AND PACKAGING</b>			
		<b>PRODUCT NAME</b>	105573	105574	
		<b>MT OIL PROTECT</b>	 JERRYCAN 20 L	 DRUM 200 L	
		<b>APPLICATION</b> Oily fluid, water repellent, for short to medium term protection of metal parts.	<b>ADVANTAGES</b> <ul style="list-style-type: none"> <li>Repels water from parts very quickly.</li> <li>Prevents corrosion of parts by hand contact.</li> <li>Good demulsification.</li> <li>Well suited to the interoperation protection.</li> <li>No barium or hazardous components.</li> <li>Based on low odor materials.</li> </ul>		
<b>FILM THICKNESS</b>	<b>FLASH POINT °C</b>		<b>EVAPORATION SPEED</b>		
<b>TYPE</b> 7 µm	>204 °C		Moderate		

<b>RUST PREVENTATIVES</b>	<b>WAX IN SOLVENT</b>	<b>SKU NR AND PACKAGING</b>			
		<b>PRODUCT NAME</b>	105798	105799	
		<b>MT STORE PROTECT</b>	 JERRYCAN 20 L	 DRUM 200 L	
		<b>APPLICATION</b> Waxy rust preventative fluid, for medium to long term protection of metallic parts and assemblies stored indoor or outdoor under shelter.	<b>ADVANTAGES</b> <ul style="list-style-type: none"> <li>Medium to long term protection.</li> <li>Repels water from part very quickly.</li> <li>Slow evaporation rate.</li> <li>Fast demulsification.</li> <li>Without barium or hazardous components.</li> <li>Based on low odor raw materials.</li> </ul>		
<b>FILM THICKNESS</b>	<b>FLASH POINT °C</b>		<b>EVAPORATION SPEED</b>		
<b>TYPE</b> 2 µm	>114 °C		Moderate		

		SKU NR AND PACKAGING		
TYPE	PRODUCT NAME	105805  JERRYCAN 20 L	105804  DRUM 200 L	106671  IBC 1000 L
	MT SHIP PROTECT			
	APPLICATION	ADVANTAGES		
	Waxy fluid, highly water repellent, for long-term protection in difficult conditions of metals parts and assemblies. Recommended for long-term protection of metal parts, for storage or shipping.	<ul style="list-style-type: none"> <li>• Long term protection in difficult conditions.</li> <li>• Prevents corrosion of metal parts for storage or shipping.</li> <li>• Repels water from part very quickly.</li> <li>• Fast evaporation rate.</li> <li>• Fast desemulsification from water.</li> <li>• Without barium or hazardous components.</li> </ul>		
	FILM THICKNESS	FLASH POINT °C	EVAPORATION SPEED	
	4,5 µm	>74 °C	Fast	



# EQUIPMENT & SPECIALITY LUBRICANTS

The perfect complement to the MotulTech range of metalworking fluids, these industrial lubrication products are fully compatible with them and have been endorsed by manufacturers. A complete range of maintenance lubricants.

**46** GENERAL LUBRICATION

**76** FOOD GRADE LUBRICANTS

**82** MAINTENANCE PRODUCTS

03  
04  
05



# GENERAL LUBRICATION

# 30

As for all pieces of industrial equipment, lubrication plays a key role in optimising performance and minimizing downtime. Furthermore today's equipment are more sophisticated and environmental regulations are more demanding. This is why MotulTech offers a complete line of complementary lubrication products which have all been thoroughly designed to satisfy all specific needs of modern industry. Each product is the result of a long collaboration with industrial specialists. We listen to their demands and our experts develop lubricants that helps to improve our customer's industrial equipment in terms of maximised performance, reduced operating costs and increased production efficiency.

**47-55** HYDRAULIC

**56** MULTIFUNCTIONAL OILS

**57-61** GEAR OILS / GEAR GREASES

**62-63** SLIDEWAY OILS / SLIDEWAY GREASE

**64-65** SPINDLE OILS

**66** CHAIN OILS

**67-70** GREASES & PASTES



**71-73** COMPRESSOR OILS




**74-75** HEAT TRANSFER OILS







# HYDRAULIC


Our first-class hydraulic oils meet all demands towards a modern oil. Whether it is about high viscosity index, perfect wear protection properties, optimum protection against corrosion or biodegradability, you will always find the right lubricant in our wide range.





<b>HYDRAULIC</b>	<b>MULTIFUNCTIONAL</b>	<b>PRODUCT NAME</b> <b>RUBRIC SAE 10W</b>		<b>SKU NR AND PACKAGING</b> 104852  JERRYCAN 20 L 104806  DRUM 208 L	
		<b>APPLICATION &amp; PERFORMANCE</b> High-tech lubricant suitable for hydraulic systems where an oil according to SAE specifications is recommended by the manufacturer.  STANDARD: API CF / SF SPECIFICATIONS: CATERPILLAR.		<b>ADVANTAGES</b> <ul style="list-style-type: none"> <li>• Excellent anti-wear properties.</li> <li>• Anti-oxidation and anti-corrosion properties.</li> <li>• Excellent anti-foam properties.</li> <li>• Very good stability against hydrolysis.</li> <li>• High thermal stability.</li> </ul>	
		<b>VISCOSITY @ 40°C (CST)</b> 30	<b>VISCOSITY @ 100°C (CST)</b> 5.2	<b>VI</b> 103	<b>BASE OIL</b> Mineral
<b>RANGE</b>					





<b>HYDRAULIC</b>	<b>HH - HL</b>	<b>PRODUCT NAME</b> <b>RUBRIC AW 22</b>		<b>SKU NR AND PACKAGING</b> 108162  JERRYCAN 4x5 L 104628  JERRYCAN 20 L 108460  DRUM 208 L	
		<b>APPLICATION &amp; PERFORMANCE</b> Anti-corrosive and anti-oxidative hydraulic and circulating oil. Can be used for pneumatic lubricators.  STANDARDS: <ul style="list-style-type: none"> <li>• ISO 11158 category HL ; ISO 6743-4 category HL</li> <li>• DIN 51524 part 1, HL</li> <li>• NF E 48603 HL</li> </ul>		<b>ADVANTAGES</b> <ul style="list-style-type: none"> <li>• Excellent anti-wear, anti-oxidation and anti-corrosion properties.</li> <li>• Excellent anti-foam properties.</li> <li>• Very good stability against hydrolysis.</li> <li>• High thermal stability.</li> <li>• Higher system efficiency, less service down-time.</li> <li>• Extended equipments life.</li> </ul>	
		<b>VISCOSITY @ 40°C (CST)</b> 22	<b>VISCOSITY @ 100°C (CST)</b> 4.3	<b>VI</b> 100	<b>BASE OIL</b> Mineral
<b>RANGE</b>					

<b>HYDRAULIC</b>	<b>HH - HL</b>	<b>PRODUCT NAME</b> <b>RUBRIC B 46</b>		<b>SKU NR AND PACKAGING</b> 108462  DRUM 208 L	
		<b>APPLICATION &amp; PERFORMANCE</b> Anti-corrosive and anti-oxidative hydraulic and circulating oil.  STANDARDS: <ul style="list-style-type: none"> <li>• ISO 11158 category HL ; ISO 6743-4 category HL</li> <li>• DIN 51524 part 1, HL</li> <li>• NF E 48603 HL</li> </ul>		<b>ADVANTAGES</b> <ul style="list-style-type: none"> <li>• Excellent anti-wear, anti-oxidation and anti-corrosion properties</li> <li>• Excellent anti-foam properties.</li> <li>• Very good stability against hydrolysis.</li> <li>• High thermal stability.</li> <li>• Higher system efficiency, less service down-time.</li> <li>• Extended equipments life.</li> </ul>	
		<b>VISCOSITY @ 40°C (CST)</b> 46	<b>VISCOSITY @ 100°C (CST)</b> 6.8	<b>VI</b> 102	<b>BASE OIL</b> Mineral
<b>RANGE</b>					





<b>HYDRAULIC</b>	<b>HH - HL</b>	<b>PRODUCT NAME</b>		<b>SKU NR AND PACKAGING</b>			
		<b>RUBRIC EE 150</b>		104629  JERRYCAN 20 L	108465  DRUM 208 L	107162  IBC 1000 L	
		<b>APPLICATION &amp; PERFORMANCE</b> Anti-corrosive and anti-oxidative hydraulic and circulating oil.		<b>ADVANTAGES</b> <ul style="list-style-type: none"> <li>• Excellent anti-wear, anti-oxidation and anti-corrosion properties</li> <li>• Excellent anti-foam properties.</li> <li>• Very good stability against hydrolysis.</li> <li>• High thermal stability.</li> <li>• Higher system efficiency, less service down-time.</li> <li>• Extended equipments life.</li> </ul>			
<b>STANDARDS:</b> <ul style="list-style-type: none"> <li>• ISO 11158 category HL</li> <li>• ISO 6743-4 category HL</li> <li>• DIN 51524 part 1, HL</li> <li>• NF E 48603 HL</li> </ul>		<b>VISCOSITY @ 40°C (CST)</b>	<b>VISCOSITY @ 100°C (CST)</b>	<b>VI</b>	<b>BASE OIL</b>	<b>POUR POINT °C</b>	<b>FLASH POINT °C</b>
<b>RANGE</b>	150	14.8	98	Mineral	-18	272	

<b>HYDRAULIC</b>	<b>HH - HL</b>	<b>PRODUCT NAME</b>		<b>SKU NR AND PACKAGING</b>			
		<b>RUBRIC FF 220</b>		108466  DRUM 208 L			
		<b>APPLICATION &amp; PERFORMANCE</b> Anti-corrosive and anti-oxidative hydraulic and circulating oil.		<b>ADVANTAGES</b> <ul style="list-style-type: none"> <li>• Excellent anti-wear, anti-oxidation and anti-corrosion properties.</li> <li>• Excellent anti-foam properties.</li> <li>• Very good stability against hydrolysis.</li> <li>• High thermal stability.</li> <li>• Higher system efficiency, less service down-time.</li> <li>• Extended equipments life.</li> </ul>			
<b>STANDARDS:</b> <ul style="list-style-type: none"> <li>• ISO 11158 category HL ; ISO 6743-4 category HL</li> <li>• DIN 51524 part 1, HL</li> <li>• NF E 48603 HL</li> </ul>		<b>VISCOSITY @ 40°C (CST)</b>	<b>VISCOSITY @ 100°C (CST)</b>	<b>VI</b>	<b>BASE OIL</b>	<b>POUR POINT °C</b>	<b>FLASH POINT °C</b>
<b>RANGE</b>	220	18.8	100	Mineral	-12	280	





<b>HYDRAULIC</b>	<b>HM - HLP</b>	<b>PRODUCT NAME</b>		<b>SKU NR AND PACKAGING</b>			
		<b>RUBRIC HM 32</b>		108834  JERRYCAN 20 L	108839  DRUM 208 L	108841  IBC 1000 L	101766  BULK
		<b>APPLICATION &amp; PERFORMANCE</b> Antiwear, anti-corrosion and anti-oxidation, high performance hydraulic oil for hydraulic systems working under severe conditions.		<b>ADVANTAGES</b> <ul style="list-style-type: none"> <li>• Less downtime, higher productivity.</li> <li>• Excellent anti-wear quality.</li> <li>• Excellent resistance to oxidation.</li> <li>• Excellent protection against corrosion.</li> <li>• Excellent thermal and hydrolysis stability.</li> <li>• Excellent desemulsification and filterability.</li> </ul>			
<b>STANDARDS:</b> <ul style="list-style-type: none"> <li>• DENISON HF-0</li> <li>• ISO 11158 categories HM ; ISO 6743-4 categories HM</li> <li>• DIN 51524 part 2, HLP</li> <li>• NF E 48603 HM</li> </ul>		<b>VISCOSITY @ 40°C (CST)</b>	<b>VISCOSITY @ 100°C (CST)</b>	<b>VI</b>	<b>BASE OIL</b>	<b>POUR POINT °C</b>	<b>FLASH POINT °C</b>
<b>RANGE</b>	32	5.4	105	Mineral	-27	226	

<b>HYDRAULIC</b>	<b>HM - HLP</b>	<b>PRODUCT NAME</b>		<b>SKU NR AND PACKAGING</b>			
		<b>RUBRIC HM 46</b>		108797  JERRYCAN 20 L	108833  DRUM 208 L	108835  IBC 1000 L	101771  BULK
		<b>APPLICATION &amp; PERFORMANCE</b> Antiwear, anti-corrosion and anti-oxidation, high performance hydraulic oil for hydraulic systems working under severe conditions.		<b>ADVANTAGES</b> <ul style="list-style-type: none"> <li>• Less downtime, higher productivity.</li> <li>• Excellent anti-wear quality.</li> <li>• Excellent resistance to oxidation.</li> <li>• Excellent protection against corrosion.</li> <li>• Excellent thermal and hydrolysis stability.</li> <li>• Excellent desemulsification and filterability.</li> </ul>			
<b>STANDARDS:</b> <ul style="list-style-type: none"> <li>• DENISON HF-0</li> <li>• ISO 11158 categories HM ; ISO 6743-4 categories HM</li> <li>• DIN 51524 part 2, HLP</li> <li>• NF E 48603 HM</li> </ul>		<b>VISCOSITY @ 40°C (CST)</b>	<b>VISCOSITY @ 100°C (CST)</b>	<b>VI</b>	<b>BASE OIL</b>	<b>POUR POINT °C</b>	<b>FLASH POINT °C</b>
<b>RANGE</b>	46	6.9	100	Mineral	-27	232	



## HYDRAULIC

HM - HLP		SKU NR AND PACKAGING						
		108777	108790	108791	101777			
<b>PRODUCT NAME</b> <b>RUBRIC HM 68</b>		 JERRYCAN 20 L	 DRUM 208 L	 IBC 1000 L	 BULK			
<b>APPLICATION &amp; PERFORMANCE</b> Antiwear, anti-corrosion and anti-oxidation, high performance hydraulic oil for hydraulic systems working under severe conditions.		<b>ADVANTAGES</b> <ul style="list-style-type: none"> <li>• Less downtime, higher productivity.</li> <li>• Excellent anti-wear quality.</li> <li>• Excellent resistance to oxidation.</li> <li>• Excellent protection against corrosion.</li> <li>• Excellent thermal and hydrolysis stability.</li> <li>• Excellent demulsification and filterability.</li> </ul>						
<b>STANDARDS:</b> <ul style="list-style-type: none"> <li>• DENISON HF-O</li> <li>• ISO 11158 categories HM ; ISO 6743-4 categories HM</li> <li>• DIN 51524 part 2, HLP</li> <li>• NF E 48603 HM</li> </ul>								
<b>VISCOSITY @ 40°C (CST)</b> 68		<b>VISCOSITY @ 100°C (CST)</b> 8.6		<b>VI</b> 97		<b>BASE OIL</b> <i>Mineral</i>	<b>POUR POINT °C</b> -21	<b>FLASH POINT °C</b> 258
RANGE								




## HYDRAULIC

HM - HLP		SKU NR AND PACKAGING						
		104269	101780	101781	101782			
<b>PRODUCT NAME</b> <b>RUBRIC HM 100</b>		 JERRYCAN 20 L	 DRUM 208 L	 IBC 1000 L	 BULK			
<b>APPLICATION &amp; PERFORMANCE</b> Antiwear, anti-corrosion and anti-oxidation, high performance hydraulic oil for hydraulic systems working under severe conditions.		<b>ADVANTAGES</b> <ul style="list-style-type: none"> <li>• Less downtime, higher productivity.</li> <li>• Excellent anti-wear quality</li> <li>• Excellent resistance to oxidation.</li> <li>• Excellent protection against corrosion.</li> <li>• Excellent thermal and hydrolysis stability.</li> <li>• Excellent demulsification and filterability.</li> </ul>						
<b>STANDARDS:</b> <ul style="list-style-type: none"> <li>• DENISON HF-O</li> <li>• ISO 11158 categories HM ; ISO 6743-4 categories HM</li> <li>• DIN 51524 part 2, HLP</li> <li>• NF E 48603 HM</li> </ul>								
<b>VISCOSITY @ 40°C (CST)</b> 100		<b>VISCOSITY @ 100°C (CST)</b> 11		<b>VI</b> 100		<b>BASE OIL</b> <i>Mineral</i>	<b>POUR POINT °C</b> -21	<b>FLASH POINT °C</b> 272
RANGE								



## HYDRAULIC

HM - HLPD		SKU NR AND PACKAGING					
		107307	107308				
<b>PRODUCT NAME</b> <b>RUBRIC HLPD 32</b>		 JERRYCAN 20 L	 DRUM 208 L				
<b>APPLICATION &amp; PERFORMANCE</b> Hydraulic fluid based on mineral oil with detergent and dispersant qualities. Delivers reliable performance and ultimate cleanliness in applications contaminated by aqueous products such as metalworking fluids.		<b>ADVANTAGES</b> <ul style="list-style-type: none"> <li>• Very good anti-wear characteristics.</li> <li>• Excellent oxidation resistance.</li> <li>• Excellent protection against corrosion.</li> <li>• Very good cleaning and dispersing power.</li> <li>• Zinc-free.</li> <li>• Excellent thermal stability.</li> <li>• Excellent filterability.</li> </ul>					
<b>STANDARDS:</b> <ul style="list-style-type: none"> <li>• DIN 51524 part 2 (HLP)</li> <li>• DBL 6721</li> </ul>							
<b>VISCOSITY @ 40°C (CST)</b> 32		<b>VISCOSITY @ 100°C (CST)</b> 5.6		<b>VI</b> 114	<b>BASE OIL</b> <i>Mineral</i>	<b>POUR POINT °C</b> -12	<b>FLASH POINT °C</b> 224
RANGE							




## HYDRAULIC

HM - HLPD		SKU NR AND PACKAGING						
		107309	107310	107333				
<b>PRODUCT NAME</b> <b>RUBRIC HLPD 46</b>		 JERRYCAN 20 L	 DRUM 208 L	 IBC 1000 L				
<b>APPLICATION &amp; PERFORMANCE</b> Hydraulic fluid based on mineral oil with detergent and dispersant qualities. Delivers reliable performance and ultimate cleanliness in applications contaminated by aqueous products such as metalworking fluids.		<b>ADVANTAGES</b> <ul style="list-style-type: none"> <li>• Very good anti-wear characteristics.</li> <li>• Excellent oxidation resistance.</li> <li>• Excellent protection against corrosion.</li> <li>• Very good cleaning and dispersing power.</li> <li>• Zinc-free.</li> <li>• Excellent thermal stability.</li> <li>• Excellent filterability.</li> </ul>						
<b>STANDARDS:</b> <ul style="list-style-type: none"> <li>• DIN 51524 part 2 (HLP)</li> <li>• DBL 6721</li> </ul>								
<b>VISCOSITY @ 40°C (CST)</b> 46		<b>VISCOSITY @ 100°C (CST)</b> 6.9		<b>VI</b> 106		<b>BASE OIL</b> <i>Mineral</i>	<b>POUR POINT °C</b> -21	<b>FLASH POINT °C</b> 234
RANGE								




## HYDRAULIC

HM - HLPD	PRODUCT NAME			SKU NR AND PACKAGING		
	<b>RUBRIC HLPD 68</b>			107311 	107312 	
				JERRYCAN 20 L	DRUM 208 L	
APPLICATION & PERFORMANCE			ADVANTAGES			
Hydraulic fluid based on mineral oil with detergent and dispersant qualities. Delivers reliable performance and ultimate cleanliness in applications contaminated by aqueous products such as metalworking fluids.			<ul style="list-style-type: none"> <li>• Very good anti-wear characteristics.</li> <li>• Excellent oxidation resistance.</li> <li>• Excellent protection against corrosion.</li> <li>• Very good cleaning and dispersing power.</li> <li>• Zinc-free.</li> <li>• Excellent thermal stability.</li> <li>• Excellent filterability.</li> </ul>			
STANDARDS:						
<ul style="list-style-type: none"> <li>• DIN 51524 part 2 (HLP)</li> <li>• DBL 6721</li> </ul>						
RANGE	VISCOSITY @ 40°C (CST)	VISCOSITY @ 100°C (CST)	VI	BASE OIL	POUR POINT °C	FLASH POINT °C
	68	9.3	113	Mineral	-18	248




## HYDRAULIC

HM ZINC-FREE	PRODUCT NAME			SKU NR AND PACKAGING		
	<b>RUBRIC LX 32</b>			104281 	107801 	100461 
				JERRYCAN 20 L	DRUM 180 KG	IBC 1000 L
APPLICATION & PERFORMANCE			ADVANTAGES			
Ashless (zinc-free) high performance hydraulic oil suitable for the lubrication of hydraulic systems working under severe conditions.			<ul style="list-style-type: none"> <li>• Excellent anti-wear properties.</li> <li>• Excellent oxidation resistance.</li> <li>• Excellent corrosion protection.</li> <li>• Excellent thermal and hydrolysis stability.</li> <li>• Excellent demulsification and filterability.</li> </ul>			
STANDARDS:						
<ul style="list-style-type: none"> <li>• DENISON HF-0</li> <li>• ISO 11158 categories HM ; ISO 6743-4 categories HM</li> <li>• DIN 51524 part 2, HLP</li> <li>• NF E 48603 HM</li> </ul>						
RANGE	VISCOSITY @ 40°C (CST)	VISCOSITY @ 100°C (CST)	VI	BASE OIL	POUR POINT °C	FLASH POINT °C
	32	5.4	103	Mineral	-24	216


## HYDRAULIC

HM ZINC-FREE	PRODUCT NAME			SKU NR AND PACKAGING		
	<b>RUBRIC LX 46</b>			104280 	107802 	101791 
				JERRYCAN 20 L	DRUM 208 L	IBC 1000 L
APPLICATION & PERFORMANCE			ADVANTAGES			
Ashless (zinc-free) high performance hydraulic oil suitable for the lubrication of hydraulic systems working under severe conditions.			<ul style="list-style-type: none"> <li>• Excellent anti-wear properties.</li> <li>• Excellent oxidation resistance.</li> <li>• Excellent corrosion protection.</li> <li>• Excellent thermal and hydrolysis stability.</li> <li>• Excellent demulsification and filterability.</li> </ul>			
STANDARDS:						
<ul style="list-style-type: none"> <li>• DENISON HF-0</li> <li>• ISO 11158 categories HM ; ISO 6743-4 categories HM</li> <li>• DIN 51524 part 2, HLP</li> <li>• NF E 48603 HM</li> </ul>						
RANGE	VISCOSITY @ 40°C (CST)	VISCOSITY @ 100°C (CST)	VI	BASE OIL	POUR POINT °C	FLASH POINT °C
	46	6.7	96	Mineral	-21	230


## HYDRAULIC

HM ZINC-FREE	PRODUCT NAME			SKU NR AND PACKAGING		
	<b>RUBRIC LX 68</b>			104276 	101792 	101793 
				JERRYCAN 20 L	DRUM 208 L	IBC 1000 L
APPLICATION & PERFORMANCE			ADVANTAGES			
Ashless (zinc-free) high performance hydraulic oil suitable for the lubrication of hydraulic systems working under severe conditions.			<ul style="list-style-type: none"> <li>• Excellent anti-wear properties.</li> <li>• Excellent oxidation resistance.</li> <li>• Excellent corrosion protection.</li> <li>• Excellent thermal and hydrolysis stability.</li> <li>• Excellent demulsification and filterability.</li> </ul>			
STANDARDS:						
<ul style="list-style-type: none"> <li>• DENISON HF-0</li> <li>• ISO 11158 categories HM ; ISO 6743-4 categories HM</li> <li>• DIN 51524 part 2, HLP</li> <li>• NF E 48603 HM1</li> </ul>						
RANGE	VISCOSITY @ 40°C (CST)	VISCOSITY @ 100°C (CST)	VI	BASE OIL	POUR POINT °C	FLASH POINT °C
	68	8.6	98	Mineral	-18	255


## HYDRAULIC

HM CLEAN TECHNOLOGY	PRODUCT NAME		SKU NR AND PACKAGING			
	<b>RUBRIC R-CLEAN</b>		104566		 JERRYCAN 5 L	
	<b>APPLICATION &amp; PERFORMANCE</b> Cleaner designed for use in mineral based hydraulic oils. Helps removing varnish and sludge from the hydraulic system in preparation for the introduction of RUBRIC CLEAN. First part of a Hydraulic Clean Package consisting in the cleaner RUBRIC R-CLEAN and RUBRIC CLEAN hydraulic oils.		<b>ADVANTAGES</b> <ul style="list-style-type: none"> <li>• Varnish build-up and sludge removing.</li> <li>• Reducing equipment downtime when compared to manual cleaning.</li> <li>• Compatible with mineral based lubricants.</li> <li>• Reducing health and safety concerns in comparison to solvent based cleaners.</li> <li>• Compatible with all common seal materials.</li> </ul>			
RANGE	BASE OIL					
	Mineral					


## HYDRAULIC



HM CLEAN TECHNOLOGY	PRODUCT NAME		SKU NR AND PACKAGING			
	<b>RUBRIC CLEAN HM 32</b>		106747		106748  DRUM 208 L	
	<b>APPLICATION &amp; PERFORMANCE</b> Premium anti-wear hydraulic oil designed to prevent varnish from depositing on internal system components in hydraulic systems. Second part of a Hydraulic Clean Package.		<b>ADVANTAGES</b> <ul style="list-style-type: none"> <li>• Prevents formation of varnish and sludge deposits.</li> <li>• Extended pump protection.</li> <li>• Lowers maintenance and downtime costs.</li> <li>• Excellent wear, rust and corrosion protection.</li> <li>• Excellent oxidation and thermal stability.</li> <li>• Excellent filtration properties.</li> <li>• Maintains cycle times with clean equipment.</li> </ul>			
RANGE	STANDARDS:					
	<ul style="list-style-type: none"> <li>• Parker Denison HF-0</li> <li>• MAG IAS (ex Cincinnati Machine)</li> <li>• P-68, P70, P69</li> </ul>		<ul style="list-style-type: none"> <li>• DIN 51524 part 1, 2</li> <li>• Eaton Brochure 03-401-2010</li> </ul>			
	VISCOSITY @ 40°C (CST)	VISCOSITY @ 100°C (CST)	VI	BASE OIL	POUR POINT °C	FLASH POINT °C
	32	5.7	114	Mineral	-39	214





## HYDRAULIC





HM CLEAN TECHNOLOGY	PRODUCT NAME		SKU NR AND PACKAGING			
	<b>RUBRIC CLEAN HM 46</b>		104484		104485  DRUM 208 L	
	<b>APPLICATION &amp; PERFORMANCE</b> Premium anti-wear hydraulic oil designed to prevent varnish from depositing on internal system components in hydraulic systems. Second part of a Hydraulic Clean Package.		<b>ADVANTAGES</b> <ul style="list-style-type: none"> <li>• Prevents formation of varnish and sludge deposits.</li> <li>• Extended pump protection.</li> <li>• Lowers maintenance and downtime costs.</li> <li>• Excellent wear, rust and corrosion protection.</li> <li>• Excellent oxidation and thermal stability.</li> <li>• Excellent filtration properties.</li> <li>• Maintains cycle times with clean equipment.</li> </ul>			
RANGE	STANDARDS:					
	<ul style="list-style-type: none"> <li>• Parker Denison HF-0</li> <li>• MAG IAS (ex Cincinnati Machine)</li> <li>• P-68, P70, P69</li> </ul>		<ul style="list-style-type: none"> <li>• DIN 51524 part 1, 2</li> <li>• Eaton Brochure 03-401-2010</li> </ul>			
	VISCOSITY @ 40°C (CST)	VISCOSITY @ 100°C (CST)	VI	BASE OIL	POUR POINT °C	FLASH POINT °C
	45	7.1	116	Mineral	-36	224




## HYDRAULIC




HM CLEAN TECHNOLOGY	PRODUCT NAME		SKU NR AND PACKAGING			
	<b>RUBRIC CLEAN HM 68</b>		107017		107018  DRUM 208 L	
	<b>APPLICATION &amp; PERFORMANCE</b> Premium anti-wear hydraulic oil designed to prevent varnish from depositing on internal system components in hydraulic systems. Second part of a Hydraulic Clean Package.		<b>ADVANTAGES</b> <ul style="list-style-type: none"> <li>• Prevents formation of varnish and sludge deposits.</li> <li>• Extended pump protection.</li> <li>• Lowers maintenance and downtime costs.</li> <li>• Excellent wear, rust and corrosion protection.</li> <li>• Excellent oxidation and thermal stability.</li> <li>• Excellent filtration properties.</li> <li>• Maintains cycle times with clean equipment.</li> </ul>			
RANGE	STANDARDS:					
	<ul style="list-style-type: none"> <li>• Parker Denison HF-0</li> <li>• MAG IAS (ex Cincinnati Machine)</li> <li>• P-68, P70, P69</li> </ul>		<ul style="list-style-type: none"> <li>• DIN 51524 part 1, 2</li> <li>• Eaton Brochure 03-401-2010</li> </ul>			
	VISCOSITY @ 40°C (CST)	VISCOSITY @ 100°C (CST)	VI	BASE OIL	POUR POINT °C	FLASH POINT °C
	70	9.3	110	Mineral	-34	238


<b>HYDRAULIC</b>	<b>HV</b>	<b>PRODUCT NAME</b>			<b>SKU NR AND PACKAGING</b>		
		<b>RUBRIC HV 22</b>			104286 	101784 	JERRYCAN 20 L DRUM 208 L
		<b>APPLICATION &amp; PERFORMANCE</b> Lubrication of hydraulic systems working under severe conditions and at low and high temperature.			<b>ADVANTAGES</b> <ul style="list-style-type: none"> <li>• Excellent anti-wear &amp; anti-corrosion properties.</li> <li>• Excellent oxidation resistance.</li> <li>• Excellent demulsification and filterability.</li> <li>• Excellent thermal and hydrolysis stability.</li> <li>• High viscosity index &amp; very low pour point.</li> </ul>		
		<b>STANDARDS:</b> <ul style="list-style-type: none"> <li>• DENISON HF-0</li> <li>• ISO 11158 categories HV</li> </ul>			<ul style="list-style-type: none"> <li>• ISO 6743-4 categories HV</li> <li>• DIN 51524 part 3, HVLP</li> <li>• NF E 48603 HV</li> </ul>		
<b>RANGE</b>	<b>VISCOSITY @ 40°C (CST)</b>	<b>VISCOSITY @ 100°C (CST)</b>	<b>VI</b>	<b>BASE OIL</b>	<b>POUR POINT °C</b>	<b>FLASH POINT °C</b>	
	22	4.7	140	Mineral	-45	204	




<b>HYDRAULIC</b>	<b>HV</b>	<b>PRODUCT NAME</b>			<b>SKU NR AND PACKAGING</b>				
		<b>RUBRIC HV 32</b>			108760 	108870 	108764 	101789 	JERRYCAN 20 L DRUM 208 L IBC 1000 L BULK
		<b>APPLICATION &amp; PERFORMANCE</b> Lubrication of hydraulic systems working under severe conditions and at low and high temperature.			<b>ADVANTAGES</b> <ul style="list-style-type: none"> <li>• Excellent anti-wear &amp; anti-corrosion properties.</li> <li>• Excellent oxidation resistance.</li> <li>• Excellent demulsification and filterability.</li> <li>• Excellent thermal and hydrolysis stability.</li> <li>• High viscosity index &amp; very low pour point.</li> </ul>				
		<b>STANDARDS:</b> <ul style="list-style-type: none"> <li>• DENISON HF-0</li> <li>• ISO 11158 categories HV</li> <li>• ISO 6743-4 categories HV</li> </ul>			<ul style="list-style-type: none"> <li>• DIN 51524 part 3, HVLP</li> <li>• NF E 48603 HV</li> </ul>				
<b>RANGE</b>	<b>VISCOSITY @ 40°C (CST)</b>	<b>VISCOSITY @ 100°C (CST)</b>	<b>VI</b>	<b>BASE OIL</b>	<b>POUR POINT °C</b>	<b>FLASH POINT °C</b>			
	32	6.5	161	Mineral	-36	204			




<b>HYDRAULIC</b>	<b>HV</b>	<b>PRODUCT NAME</b>			<b>SKU NR AND PACKAGING</b>				
		<b>RUBRIC HV 46</b>			108767 	108761 	108768 	104623 	JERRYCAN 20 L DRUM 208 L IBC 1000 L BULK
		<b>APPLICATION &amp; PERFORMANCE</b> Lubrication of hydraulic systems working under severe conditions and at low and high temperature.			<b>ADVANTAGES</b> <ul style="list-style-type: none"> <li>• Excellent anti-wear &amp; anti-corrosion properties.</li> <li>• Excellent oxidation resistance.</li> <li>• Excellent demulsification and filterability.</li> <li>• Excellent thermal and hydrolysis stability.</li> <li>• High viscosity index &amp; very low pour point.</li> </ul>				
		<b>STANDARDS:</b> <ul style="list-style-type: none"> <li>• DENISON HF-0</li> <li>• ISO 11158 categories HV</li> <li>• ISO 6743-4 categories HV</li> </ul>			<ul style="list-style-type: none"> <li>• DIN 51524 part 3, HVLP</li> <li>• NF E 48603 HV</li> </ul>				
<b>RANGE</b>	<b>VISCOSITY @ 40°C (CST)</b>	<b>VISCOSITY @ 100°C (CST)</b>	<b>VI</b>	<b>BASE OIL</b>	<b>POUR POINT °C</b>	<b>FLASH POINT °C</b>			
	46	8.2	155	Mineral	-36	224			

<b>HYDRAULIC</b>	<b>HV</b>	<b>PRODUCT NAME</b>			<b>SKU NR AND PACKAGING</b>				
		<b>RUBRIC HV 68</b>			108769 	108796 	108798 	JERRYCAN 20 L DRUM 208 L IBC 1000 L	
		<b>APPLICATION &amp; PERFORMANCE</b> Lubrication of hydraulic systems working under severe conditions and at low and high temperature.			<b>ADVANTAGES</b> <ul style="list-style-type: none"> <li>• Excellent anti-wear &amp; anti-corrosion properties.</li> <li>• Excellent oxidation resistance.</li> <li>• Excellent demulsification and filterability.</li> <li>• Excellent thermal and hydrolysis stability.</li> <li>• High viscosity index &amp; very low pour point.</li> </ul>				
		<b>STANDARDS:</b> <ul style="list-style-type: none"> <li>• DENISON HF-0</li> <li>• ISO 11158 categories HV</li> </ul>			<ul style="list-style-type: none"> <li>• DIN 51524 part 3, HVLP</li> <li>• NF E 48603 HV</li> <li>• ISO 6743-4 categories HV</li> </ul>				
<b>RANGE</b>	<b>VISCOSITY @ 40°C (CST)</b>	<b>VISCOSITY @ 100°C (CST)</b>	<b>VI</b>	<b>BASE OIL</b>	<b>POUR POINT °C</b>	<b>FLASH POINT °C</b>			
	68	10.6	151	Mineral	-33	234			


		SKU NR AND PACKAGING				
BIO	PRODUCT NAME	104418		100435	100436	
	<b>RUBRIC BIO 46</b>		JERRYCAN 20 L		DRUM 50 KG	 DRUM 190 KG
	APPLICATION & PERFORMANCE	ADVANTAGES				
<p>High performance hydraulic fluid based on synthetic esters with a high level of biodegradability (&gt; 90% in 21 days). Recommended for all hydraulic systems.</p> <p>STANDARDS:</p> <ul style="list-style-type: none"> <li>• European Ecolabel</li> <li>• Blue Angel approval</li> <li>• Bosch Rexroth RE 90221-01</li> </ul>		<ul style="list-style-type: none"> <li>• Excellent thermal stability.</li> <li>• Excellent anti-wear performance and oxidation resistance.</li> <li>• Good filtrability.</li> <li>• Excellent demulsion.</li> <li>• High viscosity index.</li> </ul>				
RANGE	VISCOSITY @ 40°C (CST)	VISCOSITY @ 100°C (CST)	VI	BASE OIL	POUR POINT °C	FLASH POINT °C
	49.5	9.8	186	Synthetic	< -30	> 310

		SKU NR AND PACKAGING				
BIO	PRODUCT NAME	103108				
	<b>RUBRIC BIO 46 S</b>		DRUM 208 L			
	APPLICATION & PERFORMANCE	ADVANTAGES				
<p>Biodegradable oil based on saturated synthetic ester with a high level of biodegradability (&gt; 60% according OECD 301). Recommended for all hydraulic systems.</p> <p>STANDARDS:</p> <ul style="list-style-type: none"> <li>• ISO 15380 HEES</li> <li>• Bosch Rexroth RE 90221-01</li> <li>• European Ecolabel</li> </ul>		<ul style="list-style-type: none"> <li>• Excellent thermal stability.</li> <li>• Excellent anti-wear performance and oxidation resistance.</li> <li>• Good filtrability.</li> <li>• Excellent demulsion.</li> <li>• High viscosity index.</li> <li>• High temperature stable.</li> <li>• Behaves neutrally in conjunction with elastomers.</li> </ul>				
RANGE	VISCOSITY @ 40°C (CST)	VISCOSITY @ 100°C (CST)	VI	BASE OIL	POUR POINT °C	FLASH POINT °C
	46	7.9	146	Synthetic	-36	285

		SKU NR AND PACKAGING				
BIO	PRODUCT NAME	108248		108249	108250	
	<b>RUBRIC BIO SYNT 46</b>		JERRYCAN 20 L		DRUM 208 L	 IBC 1000 L
	APPLICATION & PERFORMANCE	ADVANTAGES				
<p>Ester based high performance biodegradable hydraulic fluid for all available hydraulic systems. High level of biodegradability (OECD 301B 90% after 28 days).</p> <p>STANDARDS:</p> <ul style="list-style-type: none"> <li>• European Ecolabel</li> <li>• Swedish Standard SS 15 54 34</li> </ul>		<ul style="list-style-type: none"> <li>• Year around use.</li> <li>• Outstanding oxidation and thermal stability.</li> <li>• Outstanding hydrolytic stability.</li> <li>• Superior rust and corrosion protection.</li> <li>• Anti-wear protection.</li> <li>• Non-toxic and low odour.</li> </ul>				
RANGE	VISCOSITY @ 40°C (CST)	VISCOSITY @ 100°C (CST)	VI	BASE OIL	POUR POINT °C	FLASH POINT °C
	43.2	8.8	189	Synthetic	-41	292

		SKU NR AND PACKAGING				
HVI	PRODUCT NAME	108216		108215	108296	
	<b>RUBRIC ARCTIC 26</b>		JERRYCAN 20 L		DRUM 208 L	 IBC 1000 L
	APPLICATION & PERFORMANCE	ADVANTAGES				
<p>High performance hydraulic fluid with a very high viscosity index for all year use in hydraulic equipment operating over a wide temperature range.</p>		<ul style="list-style-type: none"> <li>• Allows for very good start up performance of hydraulic equipment at very low temperatures.</li> <li>• Good rust and corrosion protection.</li> <li>• Very low pour point.</li> <li>• Zinc-free anti-wear additives for exceptional equipment performance.</li> <li>• Excellent oxidation stability.</li> <li>• Outstanding viscosity control over a wide temperature range.</li> </ul>				
RANGE	VISCOSITY @ 40°C (CST)	VISCOSITY @ 100°C (CST)	VI	BASE OIL	POUR POINT °C	FLASH POINT °C
	26.4	8.4	326	Synthetic	-56	242

**HYDRAULIC**

<b>HVI</b>	<b>PRODUCT NAME</b>			<b>SKU NR AND PACKAGING</b>		
	<b>RUBRIC HV 25</b>			108461	 IBC 1000 L	
	<b>APPLICATION &amp; PERFORMANCE</b> High performance anti-wear hydraulic fluid with a very high viscosity index. Recommended for all hydraulic systems, hydrostatic transmissions and dashpots subjected to wide temperature variations.			<b>ADVANTAGES</b> <ul style="list-style-type: none"> <li>• Excellent thermal stability.</li> <li>• Very high oxidation resistance.</li> <li>• Very good anti-wear performances.</li> <li>• Very good rust and corrosion protection.</li> <li>• Anti-foam and excellent demulsibility.</li> <li>• Very good filterability.</li> <li>• Good seal compatibility.</li> </ul>		
<b>RANGE</b>	<b>VISCOSITY @ 40°C (CST)</b>	<b>VISCOSITY @ 100°C (CST)</b>	<b>VI</b>	<b>BASE OIL</b>	<b>POUR POINT °C</b>	<b>FLASH POINT °C</b>
	25.5	8.6	352	Semi-synthetic	-63	100

**HYDRAULIC**

<b>HFC</b>	<b>PRODUCT NAME</b>			<b>SKU NR AND PACKAGING</b>		
	<b>RUBRIC HFC 40</b>			104505	104516	IBC 1000 L
	<b>APPLICATION &amp; PERFORMANCE</b> Fire resistant hydraulic fluid - HFC type (Water - Glycol). For all areas where the risk of a fire hazard exists (steel industry, heat treatment shops...) and/or when a good biodegradability is important. Fulfils all requirements of the 7th Luxemburg Report.			<b>ADVANTAGES</b> <ul style="list-style-type: none"> <li>• Excellent fire resistance properties.</li> <li>• High lubricity and anti-wear characteristics.</li> <li>• Excellent corrosion protection.</li> <li>• Long term stability.</li> </ul>		
<b>RANGE</b>	<b>VISCOSITY @ 40°C (CST)</b>	<b>VISCOSITY @ 100°C (CST)</b>	<b>VI</b>	<b>BASE OIL</b>	<b>POUR POINT °C</b>	<b>FLASH POINT °C</b>
	40	9	> 150	Synthetic	-50	none

**HYDRAULIC**



<b>HFDU</b>	<b>PRODUCT NAME</b>			<b>SKU NR AND PACKAGING</b>		
	<b>RUBRIC HFDU 46</b>			TO BE ANNOUNCED	TO BE ANNOUNCED	TO BE ANNOUNCED
	<b>APPLICATION &amp; PERFORMANCE</b> Fire resistant, biodegradable high quality synthetic hydraulic fluid for all hydraulic systems, lubrication and circulating system where EP characteristics are not required and/or where there are potential risks of fire and / or water contamination.			<b>ADVANTAGES</b> <ul style="list-style-type: none"> <li>• Excellent resistance to combustion.</li> <li>• Readily biodegradable.</li> <li>• Zinc-free.</li> <li>• Excellent demulsibility.</li> <li>• Very good anti-rust and anti-corrosive properties.</li> <li>• Excellent oxidation stability.</li> </ul>		
<b>RANGE</b>	<b>VISCOSITY @ 40°C (CST)</b>	<b>VI</b>	<b>BASE OIL</b>	<b>FLASH POINT °C</b>	<b>FIRE POINT °C</b>	
	46	185	Synthetic	300	348	







# MULTI-FUNCTIONAL OILS



All-in-one lubricant for slideway, hydraulic and gears which was especially developed for machine owners that like to keep their lubricant stock easy to manage.



<b>MULTIFUNCTIONAL OILS</b>	<b>PRODUCT NAME</b>		<b>SKU NR AND PACKAGING</b>			
	<b>RUBRIC RU 32</b>		104232			108496
			JERRYCAN 20 L			
	<b>APPLICATION &amp; PERFORMANCE</b> Premium multifunctional oil for machine tools. Suitable for slideways, hydraulic and centralised lubrication systems. <b>STANDARDS:</b> Slideway • ISO 11158 categories HG ; 6 743-4 category HG ; 6743-13 category G • CINCINNATI MILACRON P-47, P-50, P-53 Hydraulic • ISO 11158 categories HM • 6743-4 category HG • 6743-13 category G • DIN 51524 part 2, HLP Gears • DIN 51517 part 3, CLP • AGMA 9005 - E02			<b>ADVANTAGES</b> • High demulsifiability with water soluble metalworking fluids. • Corrosion resistant. • Compatible with plastic coated ways (SKC). • Low friction coefficient. • Avoids Stick-Slip. • Excellent adhesiveness. • Anti-wear and Extreme-Pressure. • Zinc free.		
<b>VISCOSITY @ 40°C (CST)</b>	<b>VISCOSITY @ 100°C (CST)</b>	<b>VI</b>	<b>BASE OIL</b>	<b>POUR POINT °C</b>	<b>FLASH POINT °C</b>	
32	5	84	Mineral	-36	232	




<b>MULTIFUNCTIONAL OILS</b>	<b>PRODUCT NAME</b>		<b>SKU NR AND PACKAGING</b>			
	<b>RUBRIC RU 46</b>		104249			108487
			JERRYCAN 20 L			
	<b>APPLICATION &amp; PERFORMANCE</b> Premium multifunctional oil for machine tools. Suitable for slideways, hydraulic and centralised lubrication systems. <b>STANDARDS:</b> Slideway • ISO 11158 categories HG ; 6 743-4 category HG ; 6743-13 category G • CINCINNATI MILACRON P-47, P-50, P-53 Hydraulic • ISO 11158 categories HM • 6743-4 category HG • 6743-13 category G • DIN 51524 part 2, HLP Gears • DIN 51517 part 3, CLP • AGMA 9005 - E02			<b>ADVANTAGES</b> • High demulsifiability with water soluble metalworking fluids. • Corrosion resistant. • Compatible with plastic coated ways (SKC). • Low friction coefficient. • Avoids Stick-Slip. • Excellent adhesiveness. • Anti-wear and Extreme-Pressure. • Zinc free.		
<b>VISCOSITY @ 40°C (CST)</b>	<b>VISCOSITY @ 100°C (CST)</b>	<b>VI</b>	<b>BASE OIL</b>	<b>POUR POINT °C</b>	<b>FLASH POINT °C</b>	
46	6.5	85	Mineral	-36	236	





# GEAR OILS & GREASES



Oils specifically made for transmissions, transfer cases and differentials in all types of industrial machinery. Our large selection of mineral and synthetic transmission lubricants has been developed for a wide variety of gear types. They meet all requirements - from standard applications to the most difficult operating conditions.




<b>GEAR OILS</b>	<b>PRODUCT NAME</b>		<b>SKU NR AND PACKAGING</b>				
	<b>SUPRACO MPL 68</b>		108172 	108173 	JERRYCAN 20 L		DRUM 208 L
	<b>APPLICATION &amp; PERFORMANCE</b> Extreme-pressure lubricant for all types of highly stressed gear drives. Lubrication of gear drives, reducers (except hypoid gears), worm gears, bearings and heavy loaded parts of machinery.  <b>STANDARDS:</b> • ISO 6743-6 and ISO 12925-1, category CKC, CKD • DIN 51517 Part 3: 2004-01 • AISE 224			<b>ADVANTAGES</b> • Very high extreme-pressure and anti-wear properties. • Very high resistance to oxidation. • Non corrosive lubricant for non-ferrous metals, particularly bronze alloy. • Excellent water demulsibility. • Zinc free.			
	<b>VISCOSITY @ 40°C (CST)</b>	<b>VISCOSITY @ 100°C (CST)</b>	<b>VI</b>	<b>BASE OIL</b>	<b>POUR POINT °C</b>	<b>FLASH POINT °C</b>	
68	9	101	Mineral	-24	242		



<b>GEAR OILS</b>	<b>PRODUCT NAME</b>		<b>SKU NR AND PACKAGING</b>				
	<b>SUPRACO MPL 100</b>		104268 	108470 	JERRYCAN 20 L		DRUM 208 L
	<b>APPLICATION &amp; PERFORMANCE</b> Extreme-pressure lubricant for all types of highly stressed gear drives. Lubrication of gear drives, reducers (except hypoid gears), worm gears, bearings and heavy loaded parts of machinery.  <b>STANDARDS:</b> • ISO 6743-6 and ISO 12925-1, category CKC, CKD • DIN 51517 Part 3: 2004-01 • AISE 224			<b>ADVANTAGES</b> • Very high extreme-pressure and anti-wear properties. • Very high resistance to oxidation. • Non corrosive lubricant for non-ferrous metals, particularly bronze alloy. • Excellent water demulsibility. • Zinc free.			
	<b>VISCOSITY @ 40°C (CST)</b>	<b>VISCOSITY @ 100°C (CST)</b>	<b>VI</b>	<b>BASE OIL</b>	<b>POUR POINT °C</b>	<b>FLASH POINT °C</b>	
104	11.9	103	Mineral	-24	242		



<b>GEAR OILS</b>	<b>PRODUCT NAME</b>		<b>SKU NR AND PACKAGING</b>					
	<b>SUPRACO MPL 150</b>		104250 	108472 	108519 	JERRYCAN 20 L	DRUM 208 L	IBC 1000 L
	<b>APPLICATION &amp; PERFORMANCE</b> Extreme-pressure lubricant for all types of highly stressed gear drives. Lubrication of gear drives, reducers (except hypoid gears), worm gears, bearings and heavy loaded parts of machinery.  <b>STANDARDS:</b> • ISO 6743-6 and ISO 12925-1, category CKC, CKD • DIN 51517 Part 3: 2004-01 • AISE 224			<b>ADVANTAGES</b> • Very high extreme-pressure and anti-wear properties. • Very high resistance to oxidation. • Non corrosive lubricant for non-ferrous metals, particularly bronze alloy. • Excellent water demulsibility. • Zinc free.				
	<b>VISCOSITY @ 40°C (CST)</b>	<b>VISCOSITY @ 100°C (CST)</b>	<b>VI</b>	<b>BASE OIL</b>	<b>POUR POINT °C</b>	<b>FLASH POINT °C</b>		
160	15.6	99	Mineral	-21	242			



<b>GEAR OILS</b>	<b>PRODUCT NAME</b>		<b>SKU NR AND PACKAGING</b>			
	<b>SUPRACO MPL 220</b>		104236  JERRYCAN 20 L	108473  DRUM 208 L	108474  IBC 1000 L	108854  BULK
	<b>APPLICATION &amp; PERFORMANCE</b> Extreme-pressure lubricant for all types of highly stressed gear drives. Lubrication of gear drives, reducers (except hypoid gears), worm gears, bearings and heavy loaded parts of machinery.  <b>STANDARDS:</b> <ul style="list-style-type: none"> <li>• ISO 6743-6 and ISO 12925-1, category CKC, CKD</li> <li>• DIN 51517 Part 3: 2004-01</li> <li>• AISE 224</li> <li>• AGMA 9005-E02</li> <li>• David Brown S1.53.101(E)</li> <li>• Strong FAG FE-8 performance</li> </ul>			<b>ADVANTAGES</b> <ul style="list-style-type: none"> <li>• Very high extreme-pressure and anti-wear properties.</li> <li>• Very high resistance to oxidation.</li> <li>• Non corrosive lubricant for non-ferrous metals, particularly bronze alloy.</li> <li>• Excellent water demulsibility.</li> <li>• Zinc free.</li> </ul>		
<b>VISCOSITY @ 40°C (CST)</b>		<b>VISCOSITY @ 100°C (CST)</b>	<b>VI</b>	<b>BASE OIL</b>	<b>POUR POINT °C</b>	<b>FLASH POINT °C</b>
232		21	107	Mineral	-18	238



<b>GEAR OILS</b>	<b>PRODUCT NAME</b>		<b>SKU NR AND PACKAGING</b>			
	<b>SUPRACO MPL 320</b>		104252  JERRYCAN 20 L	108476  DRUM 208 L		
	<b>APPLICATION &amp; PERFORMANCE</b> Extreme-pressure lubricant for all types of highly stressed gear drives. Lubrication of gear drives, reducers (except hypoid gears), worm gears, bearings and heavy loaded parts of machinery.  <b>STANDARDS:</b> <ul style="list-style-type: none"> <li>• ISO 6743-6 and ISO 12925-1, category CKC, CKD</li> <li>• DIN 51517 Part 3: 2004-01</li> <li>• AISE 224</li> <li>• AGMA 9005-E02</li> <li>• David Brown S1.53.101(E)</li> <li>• Strong FAG FE-8 performance</li> </ul>			<b>ADVANTAGES</b> <ul style="list-style-type: none"> <li>• Very high extreme-pressure and anti-wear properties.</li> <li>• Very high resistance to oxidation.</li> <li>• Non corrosive lubricant for non-ferrous metals, particularly bronze alloy.</li> <li>• Excellent water demulsibility.</li> <li>• Zinc free.</li> </ul>		
<b>VISCOSITY @ 40°C (CST)</b>		<b>VISCOSITY @ 100°C (CST)</b>	<b>VI</b>	<b>BASE OIL</b>	<b>POUR POINT °C</b>	<b>FLASH POINT °C</b>
346		26.4	101	Mineral	-15	236



<b>GEAR OILS</b>	<b>PRODUCT NAME</b>		<b>SKU NR AND PACKAGING</b>			
	<b>SUPRACO MPL 460</b>		104354  JERRYCAN 20 L	108477  DRUM 208 L	107803  IBC 1000 L	
	<b>APPLICATION &amp; PERFORMANCE</b> Extreme-pressure lubricant for all types of highly stressed gear drives. Lubrication of gear drives, reducers (except hypoid gears), worm gears, bearings and heavy loaded parts of machinery.  <b>STANDARDS:</b> <ul style="list-style-type: none"> <li>• ISO 6743-6 and ISO 12925-1, category CKC, CKD</li> <li>• DIN 51517 Part 3: 2004-01</li> <li>• AISE 224</li> <li>• AGMA 9005-E02</li> <li>• David Brown S1.53.101(E)</li> <li>• Strong FAG FE-8 performance</li> </ul>			<b>ADVANTAGES</b> <ul style="list-style-type: none"> <li>• Very high extreme-pressure and anti-wear properties.</li> <li>• Very high resistance to oxidation.</li> <li>• Non corrosive lubricant for non-ferrous metals, particularly bronze alloy.</li> <li>• Excellent water demulsibility.</li> <li>• Zinc free.</li> </ul>		
<b>VISCOSITY @ 40°C (CST)</b>		<b>VISCOSITY @ 100°C (CST)</b>	<b>VI</b>	<b>BASE OIL</b>	<b>POUR POINT °C</b>	<b>FLASH POINT °C</b>
475		31.9	99	Mineral	-12	234



<b>GEAR OILS</b>	<b>PRODUCT NAME</b>		<b>SKU NR AND PACKAGING</b>			
	<b>SUPRACO MPL 680</b>		104323  JERRYCAN 20 L	108478  DRUM 208 L		
	<b>APPLICATION &amp; PERFORMANCE</b> Extreme-pressure lubricant for all types of highly stressed gear drives. Lubrication of gear drives, reducers (except hypoid gears), worm gears, bearings and heavy loaded parts of machinery.  <b>STANDARDS:</b> <ul style="list-style-type: none"> <li>• ISO 6743-6 and ISO 12925-1, category CKC, CKD</li> <li>• DIN 51517 Part 3: 2004-01</li> <li>• AISE 224</li> <li>• AGMA 9005-E02</li> <li>• David Brown S1.53.101(E)</li> <li>• Strong FAG FE-8 performance</li> </ul>			<b>ADVANTAGES</b> <ul style="list-style-type: none"> <li>• Very high extreme-pressure and anti-wear properties.</li> <li>• Very high resistance to oxidation.</li> <li>• Non corrosive lubricant for non-ferrous metals, particularly bronze alloy.</li> <li>• Excellent water demulsibility.</li> <li>• Zinc free.</li> </ul>		
<b>VISCOSITY @ 40°C (CST)</b>		<b>VISCOSITY @ 100°C (CST)</b>	<b>VI</b>	<b>BASE OIL</b>	<b>POUR POINT °C</b>	<b>FLASH POINT °C</b>
641		35.2	87	Mineral	-9	234


<b>GEAR OILS</b>	<b>PRODUCT NAME</b>		<b>SKU NR AND PACKAGING</b>		
	<b>GEAR SY 68</b>		104320 	100517 	
			JERRYCAN 20 L	DRUM 208 L	
<b>APPLICATION &amp; PERFORMANCE</b> For long life lubrication of industrial gears, plain bearings working under severe load and temperature conditions.  <b>STANDARDS:</b> • ISO 6743-6 and ISO 12925-1, category CKC, CKD • DIN 51517 Part 3: 2004-01 • AISE 224 • AGMA 9005-E02 • David Brown S1.53.101(E) • Strong FAG FE-8 performance			<b>ADVANTAGES</b> • Excellent extreme pressure and anti-wear properties. • Excellent oxidation stability. • Excellent rust and corrosion protection. • Very high demulsibility with water. • High viscosity index.		
<b>VISCOSITY @ 40°C (CST)</b>	<b>VISCOSITY @ 100°C (CST)</b>	<b>VI</b>	<b>BASE OIL</b>	<b>POUR POINT °C</b>	<b>FLASH POINT °C</b>
68	10	138	Gr III	< -30	238



<b>GEAR OILS</b>	<b>PRODUCT NAME</b>		<b>SKU NR AND PACKAGING</b>		
	<b>GEAR SY 150</b>		104322 	108479 	
			JERRYCAN 20 L	DRUM 208 L	
<b>APPLICATION &amp; PERFORMANCE</b> For long life lubrication of industrial gears, plain bearings working under severe load and temperature conditions.  <b>STANDARDS:</b> • ISO 6743-6 and ISO 12925-1, category CKC, CKD • DIN 51517 Part 3: 2004-01 • AISE 224 • AGMA 9005-E02 • David Brown S1.53.101(E) • Strong FAG FE-8 performance			<b>ADVANTAGES</b> • Excellent extreme pressure and anti-wear properties. • Excellent oxidation stability. • Excellent rust and corrosion protection. • Very high demulsibility with water. • High viscosity index.		
<b>VISCOSITY @ 40°C (CST)</b>	<b>VISCOSITY @ 100°C (CST)</b>	<b>VI</b>	<b>BASE OIL</b>	<b>POUR POINT °C</b>	<b>FLASH POINT °C</b>
150	19.5	157	PAO	< -30	236



<b>GEAR OILS</b>	<b>PRODUCT NAME</b>		<b>SKU NR AND PACKAGING</b>		
	<b>GEAR SY 220</b>		104321 	108480 	
			JERRYCAN 20 L	DRUM 208 L	
<b>APPLICATION &amp; PERFORMANCE</b> For long life lubrication of industrial gears, plain bearings working under severe load and temperature conditions.  <b>STANDARDS:</b> • ISO 6743-6 and ISO 12925-1, category CKC, CKD • DIN 51517 Part 3: 2004-01 • AISE 224 • AGMA 9005-E02 • David Brown S1.53.101(E) • Strong FAG FE-8 performance			<b>ADVANTAGES</b> • Excellent extreme pressure and anti-wear properties. • Excellent oxidation stability. • Excellent rust and corrosion protection. • Very high demulsibility with water. • High viscosity index.		
<b>VISCOSITY @ 40°C (CST)</b>	<b>VISCOSITY @ 100°C (CST)</b>	<b>VI</b>	<b>BASE OIL</b>	<b>POUR POINT °C</b>	<b>FLASH POINT °C</b>
220	26	161	Gr III	< -30	242



<b>GEAR OILS</b>	<b>PRODUCT NAME</b>		<b>SKU NR AND PACKAGING</b>		
	<b>GEAR SY 320</b>		104294 	108481 	
			JERRYCAN 20 L	DRUM 208 L	
<b>APPLICATION &amp; PERFORMANCE</b> For long life lubrication of industrial gears, plain bearings working under severe load and temperature conditions.  <b>STANDARDS:</b> • ISO 6743-6 and ISO 12925-1, category CKC, CKD • DIN 51517 Part 3: 2004-01 • AISE 224 • AGMA 9005-E02 • David Brown S1.53.101(E) • Strong FAG FE-8 performance			<b>ADVANTAGES</b> • Excellent extreme pressure and anti-wear properties. • Excellent oxidation stability. • Excellent rust and corrosion protection. • Very high demulsibility with water. • High viscosity index.		
<b>VISCOSITY @ 40°C (CST)</b>	<b>VISCOSITY @ 100°C (CST)</b>	<b>VI</b>	<b>BASE OIL</b>	<b>POUR POINT °C</b>	<b>FLASH POINT °C</b>
320	37.6	164	Gr III	< -30	236


<b>GEAR OILS</b>	<b>PRODUCT NAME</b>		<b>SKU NR AND PACKAGING</b>		
	<b>GEAR SY 460</b>		104295 	108515 	
			JERRYCAN 20 L	DRUM 208 L	
<b>APPLICATION &amp; PERFORMANCE</b> For long life lubrication of industrial gears, plain bearings working under severe load and temperature conditions.  <b>STANDARDS:</b> • ISO 6743-6 and ISO 12925-1, category CKC, CKD • DIN 51517 Part 3: 2004-01 • AISE 224			<b>ADVANTAGES</b> • Excellent extreme pressure and anti-wear properties. • Excellent oxidation stability. • Excellent rust and corrosion protection. • Very high demulsibility with water. • High viscosity index.		
<b>VISCOSITY @ 40°C (CST)</b>	<b>VISCOSITY @ 100°C (CST)</b>	<b>VI</b>	<b>BASE OIL</b>	<b>POUR POINT °C</b>	<b>FLASH POINT °C</b>
460	50	171	PAO	< -30	232



<b>GEAR OILS</b>	<b>PRODUCT NAME</b>		<b>SKU NR AND PACKAGING</b>		
	<b>SUPRA GEAR GL 150</b>		106314 		
			DRUM 206 L		
<b>APPLICATION &amp; PERFORMANCE</b> Long-life or permanent lubrication of worm gear reduction drives, or gearboxes operating in a wide temperature range. Lubrication of all types of machine exposed to high temperatures or heavy loads in an oil circulation system. Not miscible with mineral or other synthetic lubricants.  <b>STANDARDS:</b> • DIN 51517 Part 3, CLP • David Brown Type G			<b>ADVANTAGES</b> • Outstanding load carrying properties. • Excellent thermal stability. • Excellent corrosion protection (ASTM D665, procedure B pass). • Outstanding demulsibility characteristics. • Allows thermally stable operation at temperatures in excess of 200 °C. • Free of chlorine, sulphur and metal based additives including lead.		
<b>VISCOSITY @ 40°C (CST)</b>	<b>VISCOSITY @ 100°C (CST)</b>	<b>VI</b>	<b>BASE OIL</b>	<b>POUR POINT °C</b>	<b>FLASH POINT °C</b>
150	25	195	PAG	-30	191

<b>GEAR OILS</b>	<b>PRODUCT NAME</b>		<b>SKU NR AND PACKAGING</b>		
	<b>SUPRA GEAR GL 220</b>		106315 	106316 	
			JERRYCAN 20 L		DRUM 205 L
<b>APPLICATION &amp; PERFORMANCE</b> Long-life or permanent lubrication of worm gear reduction drives, or gearboxes operating in a wide temperature range. Lubrication of all types of machine exposed to high temperatures or heavy loads in an oil circulation system. Not miscible with mineral or other synthetic lubricants.  <b>STANDARDS:</b> • DIN 51517 Part 3, CLP • David Brown Type G			<b>ADVANTAGES</b> • Outstanding load carrying properties. • Excellent thermal stability. • Excellent corrosion protection (ASTM D665, procedure B pass). • Outstanding demulsibility characteristics. • Allows thermally stable operation at temperatures in excess of 200 °C. • Free of chlorine, sulphur and metal based additives including lead.		
<b>VISCOSITY @ 40°C (CST)</b>	<b>VISCOSITY @ 100°C (CST)</b>	<b>VI</b>	<b>BASE OIL</b>	<b>POUR POINT °C</b>	<b>FLASH POINT °C</b>
237	32	177	PAG	-30	225

<b>GEAR OILS</b>	<b>PRODUCT NAME</b>		<b>SKU NR AND PACKAGING</b>		
	<b>SUPRA GEAR GL 320</b>		106319 	106320 	
			JERRYCAN 20 L		DRUM 207 L
<b>APPLICATION &amp; PERFORMANCE</b> Long-life or permanent lubrication of worm gear reduction drives, or gearboxes operating in a wide temperature range. Lubrication of all types of machine exposed to high temperatures or heavy loads in an oil circulation system. Not miscible with mineral or other synthetic lubricants.  <b>STANDARDS:</b> • DIN 51517 Part 3, CLP • David Brown Type G			<b>ADVANTAGES</b> • Outstanding load carrying properties. • Excellent thermal stability. • Excellent corrosion protection (ASTM D665, procedure B pass). • Outstanding demulsibility characteristics. • Allows thermally stable operation at temperatures in excess of 200 °C. • Free of chlorine, sulphur and metal based additives including lead.		
<b>VISCOSITY @ 40°C (CST)</b>	<b>VISCOSITY @ 100°C (CST)</b>	<b>VI</b>	<b>BASE OIL</b>	<b>POUR POINT °C</b>	<b>FLASH POINT °C</b>
325	45	196	PAG	-30	225





<b>GEAR OILS</b>	<b>PRODUCT NAME</b>		<b>SKU NR AND PACKAGING</b>		
	<b>SUPRA GEAR GL 460</b>		106321 	106322 	
			JERRYCAN 20 L	DRUM 208 L	
<b>APPLICATION &amp; PERFORMANCE</b> Long-life or permanent lubrication of worm gear reduction drives, or gearboxes operating in a wide temperature range. Lubrication of all types of machine exposed to high temperatures or heavy loads in an oil circulation system. Not miscible with mineral or other synthetic lubricants.			<b>ADVANTAGES</b> <ul style="list-style-type: none"> <li>• Outstanding load carrying properties.</li> <li>• Excellent thermal stability.</li> <li>• Excellent corrosion protection (ASTM D665, procedure B pass).</li> <li>• Outstanding demulsibility characteristics.</li> <li>• Allows thermally stable operation at temperatures in excess of 200 °C.</li> <li>• Free of chlorine, sulphur and metal based additives including lead.</li> </ul>		
<b>STANDARDS:</b> • DIN 51517 Part 3, CLP • David Brown Type G					
<b>VISCOSITY @ 40°C (CST)</b>	<b>VISCOSITY @ 100°C (CST)</b>	<b>VI</b>	<b>BASE OIL</b>	<b>POUR POINT °C</b>	<b>FLASH POINT °C</b>
433	64	220	PAG	-28	225



<b>GEAR GREASES</b>	<b>PRODUCT NAME</b>		<b>SKU NR AND PACKAGING</b>				
	<b>IRIX HP - LCXM 500 G</b>		108108 				
			4 X CAN 5 KG				
<b>APPLICATION &amp; PERFORMANCE</b> Lubrication of open mesh gears operating under heavy loads. For girth gear drives in the chemical, cement, mineral, fertiliser and metalworking industry or any mechanism requiring a lubricant capable of resisting severe operating conditions in centralised systems or spraying equipment.			<b>ADVANTAGES</b> <ul style="list-style-type: none"> <li>• Contains anti-wear, EP and anti-corrosion additives.</li> <li>• Lead and solvent free.</li> <li>• Contains high level of ultra-fine natural graphite.</li> <li>• High pumpability even at low temperature.</li> <li>• Very stable and adherent lubricating film.</li> </ul>				
<b>BASE OIL</b>	<b>BASE OIL VISCOSITY AT 40 °C</b>	<b>THICKENER</b>	<b>NLGI GRADE</b>	<b>TEMPERATURE RANGE °C</b>	<b>DROPPING POINT °C</b>	<b>4-BALL WELD LOAD KG</b>	<b>COLOUR</b>
Mineral	500	LiCa Complex	0	-20 to 120 (130)	> 240	700	Black



<b>GEAR GREASES</b>	<b>PRODUCT NAME</b>		<b>SKU NR AND PACKAGING</b>				
	<b>IRIX HP - LCM 92000</b>		107192 				
			6 X CAN 1 KG 				
<b>APPLICATION</b> Industrial and automotive applications with high loads and slow movements. Lubrication of rollers in linear guide systems of machine tools. Prime choice for wet, dirty and highly loaded conditions, especially at low speed and low temperature.			<b>ADVANTAGES</b> <ul style="list-style-type: none"> <li>• Excellent load carrying capacity</li> <li>• Offers lower friction coefficient</li> <li>• Suitable for central lubrication systems</li> <li>• Very good water resistance</li> <li>• Superior corrosion protection and antioxidant properties</li> </ul>				
<b>BASE OIL</b>	<b>BASE OIL VISCOSITY AT 40 °C</b>	<b>THICKENER</b>	<b>NLGI GRADE</b>	<b>TEMPERATURE RANGE °C</b>	<b>DROPPING POINT °C</b>	<b>4-BALL WELD LOAD KG</b>	<b>COLOUR</b>
Mineral	920	Lithium Calcium	000	-20 to 120 (130)	> 180	> 700	Brown

# SLIDEWAY OILS & GREASES





Premium quality lubricants specially designed for the lubrication of high production machine tools. Our slideway lubricants guarantee high load carrying capacity, which significantly reduces the wear on the guides as well as excellent lubricity to prevent stick-slip phenomena. Due to the outstanding demulsifying ability and compatibility with our soluble cutting fluids they are the first choice for machine owners who prefer to get all lubricants from only one source.




<b>SLIDEWAY OILS</b>	<b>PRODUCT NAME</b>		<b>SKU NR AND PACKAGING</b>			
	<b>SLID FILM 68</b>		104231  JERRYCAN 20 L	108758  DRUM 208 L	108484  IBC 1000 L	106495  BULK
	<b>APPLICATION &amp; PERFORMANCE</b> Suitable for slideways, hydraulic and centralised lubrication systems.			<b>ADVANTAGES</b>		
	<b>STANDARDS:</b> Slideway • ISO 11158 categories HG ; 6743-4 category HG ; 6743-13 category G • CINCINNATIa MILACRON P-47 and P-50 Hydraulic • ISO 11158 categories HM ; 6743-4 category HM • DIN 51524 part 2, HLP Gear • DIN 51517 part 3 • AGMA 9005 - E02 • US STEEL 224			<ul style="list-style-type: none"> <li>• High demulsifiability with water soluble metalworking fluids.</li> <li>• Corrosion resistant.</li> <li>• Compatible with plastic coated ways (SKC).</li> <li>• Low friction coefficient.</li> <li>• Avoids Stick-Slip.</li> <li>• Excellent adhesiveness.</li> <li>• Anti-wear and Extreme-Pressure.</li> <li>• Zinc free.</li> </ul>		
<b>VISCOSITY @ 40°C (CST)</b>	<b>VISCOSITY @ 100°C (CST)</b>	<b>VI</b>	<b>BASE OIL</b>	<b>POUR POINT °C</b>	<b>FLASH POINT °C</b>	
68	9	104	Mineral	-27	238	



<b>SLIDEWAY OILS</b>	<b>PRODUCT NAME</b>		<b>SKU NR AND PACKAGING</b>		
	<b>SLID FILM 100</b>		104277  JERRYCAN 20 L	107190  DRUM 208 L	
	<b>APPLICATION &amp; PERFORMANCE</b> Suitable for slideways, hydraulic and centralised lubrication systems.			<b>ADVANTAGES</b>	
	<b>STANDARDS:</b> Slideway • ISO 11158 categories HG ; 6743-4 category HG ; 6743-13 category G • CINCINNATIa MILACRON P-47 and P-50 Hydraulic • ISO 11158 categories HM ; 6743-4 category HM • DIN 51524 part 2, HLP Gear • DIN 51517 part 3 • AGMA 9005 - E02 • US STEEL 224			<ul style="list-style-type: none"> <li>• High demulsifiability with water soluble metalworking fluids.</li> <li>• Corrosion resistant.</li> <li>• Compatible with plastic coated ways (SKC).</li> <li>• Low friction coefficient.</li> <li>• Avoids Stick-Slip.</li> <li>• Excellent adhesiveness.</li> <li>• Anti-wear and Extreme-Pressure.</li> <li>• Zinc free.</li> </ul>	
<b>VISCOSITY @ 40°C (CST)</b>	<b>VISCOSITY @ 100°C (CST)</b>	<b>VI</b>	<b>BASE OIL</b>	<b>POUR POINT °C</b>	<b>FLASH POINT °C</b>
100	11	95	Mineral	-24	240



<b>SLIDEWAY OILS</b>	<b>PRODUCT NAME</b>		<b>SKU NR AND PACKAGING</b>		
	<b>SLID FILM 150</b>		104279  JERRYCAN 20 L	107189  DRUM 208 L	
	<b>APPLICATION &amp; PERFORMANCE</b> Suitable for slideways, hydraulic and centralised lubrication systems.			<b>ADVANTAGES</b>	
	<b>STANDARDS:</b> Slideway • ISO 11158 categories HG ; 6743-4 category HG ; 6743-13 category G • CINCINNATIa MILACRON P-47 and P-50 Hydraulic • ISO 11158 categories HM ; 6743-4 category HM • DIN 51524 part 2, HLP Gear • DIN 51517 part 3 • AGMA 9005 - E02 • US STEEL 224			<ul style="list-style-type: none"> <li>• High demulsifiability with water soluble metalworking fluids.</li> <li>• Corrosion resistant.</li> <li>• Compatible with plastic coated ways (SKC).</li> <li>• Low friction coefficient.</li> <li>• Avoids Stick-Slip.</li> <li>• Excellent adhesiveness.</li> <li>• Anti-wear and Extreme-Pressure.</li> <li>• Zinc free.</li> </ul>	
<b>VISCOSITY @ 40°C (CST)</b>	<b>VISCOSITY @ 100°C (CST)</b>	<b>VI</b>	<b>BASE OIL</b>	<b>POUR POINT °C</b>	<b>FLASH POINT °C</b>
150	14.6	96	Mineral	-27	242



<b>SLIDEWAY OILS</b>	<b>PRODUCT NAME</b>		<b>SKU NR AND PACKAGING</b>			
	<b>SLID FILM 220</b>		104278  JERRYCAN 20 L	108759  DRUM 208 L	108485  IBC 1000 L	108511  BULK
	<b>APPLICATION &amp; PERFORMANCE</b> Suitable for slideways, hydraulic and centralised lubrication systems. <b>STANDARDS:</b> Slideway • ISO 11158 categories HG ; 6743-4 • category HG ; 6743-13 category G • CINCINNATIa MILACRON P-47 and P-50 Hydraulic • ISO 11158 categories HM ; 6743-4 category HM • DIN 51524 part 2, HLP Gear • DIN 51517 part 3 • AGMA 9005 - E02 • US STEEL 224			<b>ADVANTAGES</b> • High demulsifiability with water soluble metalworking fluids. • Corrosion resistant. • Compatible with plastic coated ways (SKC). • Low friction coefficient. • Avoids Stick-Slip. • Excellent adhesiveness. • Anti-wear and Extreme-Pressure. • Zinc free.		
<b>VISCOSITY @ 40°C (CST)</b>	<b>VISCOSITY @ 100°C (CST)</b>	<b>VI</b>	<b>BASE OIL</b>	<b>POUR POINT °C</b>	<b>FLASH POINT °C</b>	
220	18.7	97	Mineral	-18	240	


<b>SLIDEWAY OILS</b>	<b>PRODUCT NAME</b>		<b>SKU NR AND PACKAGING</b>			
	<b>SUPRA SLIDE 68</b>		104513  JERRYCAN 20 L	104515  DRUM 208 L	105863  IBC 1000 L	
	<b>APPLICATION &amp; PERFORMANCE</b> High performances lubricant for the machine-tools lubrication. <b>STANDARDS:</b> • Cincinnati Lamb P-47 / P-50. • SH/T0361-94 Chinese ntl. specification. • DIN51524-2 HLP ; DIN51517-3 CLP.			<b>ADVANTAGES</b> • Excellent compatibility with aqueous metalworking fluids. • Exceptional demulsibility properties, particularly with MotuTech soluble fluids. • Excellent lubricity and load carrying performance. • Avoids Stick-Slip. • Non-corrosive to ferrous and non-ferrous alloys. • Anti-wear and extreme pressure performance.		
<b>VISCOSITY @ 40°C (CST)</b>	<b>VISCOSITY @ 100°C (CST)</b>	<b>VI</b>	<b>BASE OIL</b>	<b>POUR POINT °C</b>	<b>FLASH POINT °C</b>	
70	8.9	100	Mineral	-15	248	


<b>SLIDEWAY OILS</b>	<b>PRODUCT NAME</b>		<b>SKU NR AND PACKAGING</b>			
	<b>SUPRA SLIDE 220</b>		104514  JERRYCAN 20 L	104517  DRUM 208 L		
	<b>APPLICATION &amp; PERFORMANCE</b> High performances lubricant for the machine-tools lubrication. <b>STANDARDS:</b> • Cincinnati Lamb P-47 / P-50. • SH/T0361-94 Chinese ntl. specification. • DIN51524-2 HLP ; DIN51517-3 CLP.			<b>ADVANTAGES</b> • Excellent compatibility with aqueous metalworking fluids. • Exceptional demulsibility properties, particularly with MotuTech soluble fluids. • Excellent lubricity and load carrying performance. • Avoids Stick-Slip. • Non-corrosive to ferrous and non-ferrous alloys. • Anti-wear and extreme pressure performance.		
<b>VISCOSITY @ 40°C (CST)</b>	<b>VISCOSITY @ 100°C (CST)</b>	<b>VI</b>	<b>BASE OIL</b>	<b>POUR POINT °C</b>	<b>FLASH POINT °C</b>	
219	19	96	Mineral	-12	286	




<b>SLIDEWAY GREASES</b>	<b>PRODUCT NAME</b>		<b>SKU NR AND PACKAGING</b>				
	<b>IRIX HP - LCM 92000</b>		107192  6 x CAN 1 KG	107888  PAIL 19 KG			
	<b>APPLICATION &amp; PERFORMANCE</b> Industrial and automotive applications with high loads and slow movements. Lubrication of rollers in linear guide systems of machine tools. Prime choice for wet, dirty and highly loaded conditions, especially at low speed and low temperature.			<b>ADVANTAGES</b> • Excellent load carrying capacity. • Offers lower friction coefficient. • Suitable for central lubrication systems. • Very good water resistance. • Superior corrosion protection and antioxidant properties.			
<b>BASE OIL</b>	<b>BASE OIL VISCOSITY AT 40 °C</b>	<b>THICKENER</b>	<b>NLGI GRADE</b>	<b>TEMPERATURE RANGE °C</b>	<b>DROPPING POINT °C</b>	<b>4-BALL WELD LOAD KG</b>	<b>COLOUR</b>
Mineral	920	Lithium Calcium	000	-20 to 120 (130)	> 180	> 700	Brown



# SPINDLE OILS & GREASES

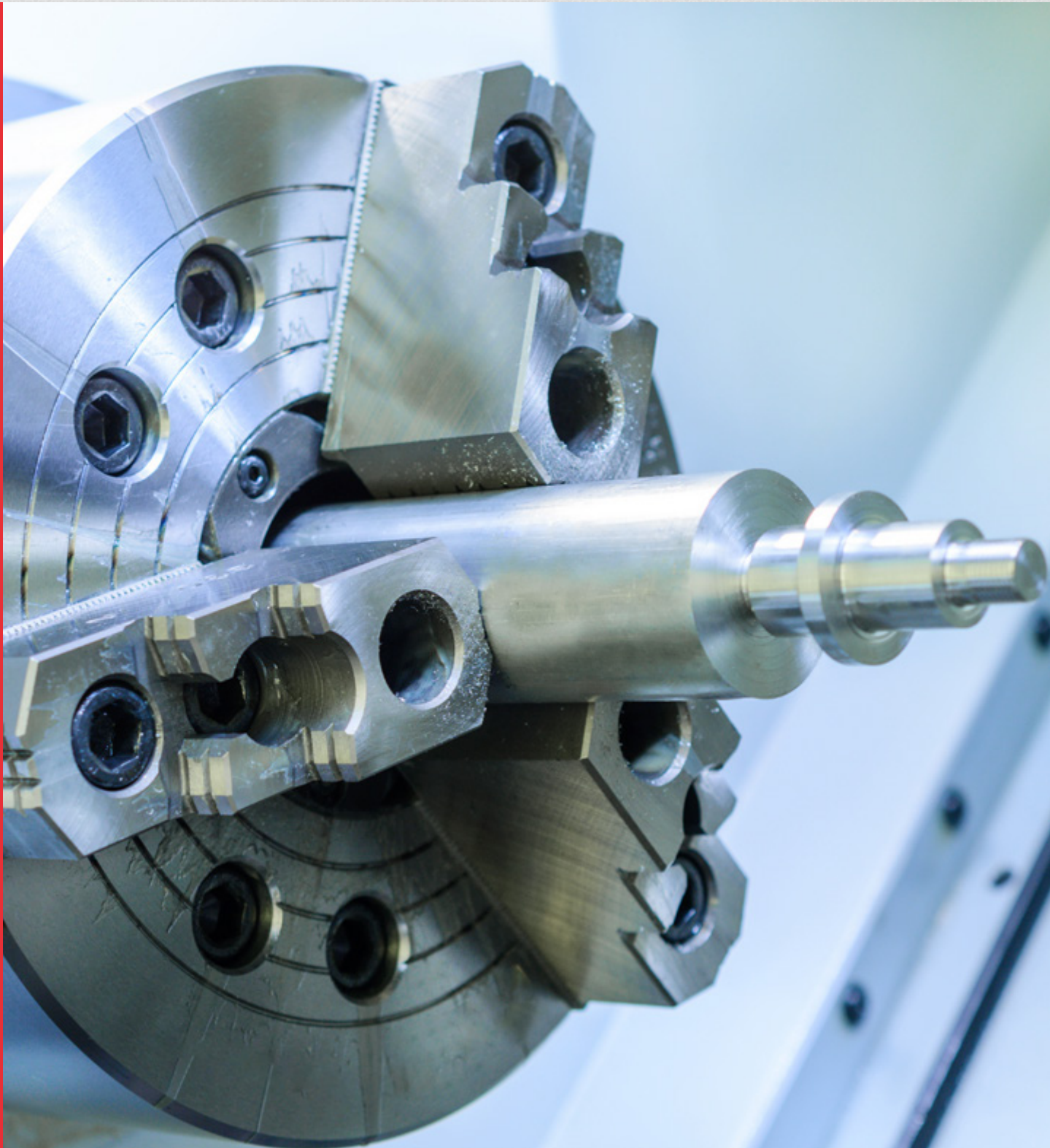
High quality oils specifically made for high-speed spindles bearings in all types of industrial machinery. These lubricants do not only prevent machine failures due to premature wear, but also cool and protect the spindle against corrosion.

<b>SPINDLE OILS</b>	<b>PRODUCT NAME</b>			<b>SKU NR AND PACKAGING</b>		
	<b>SPEED AA 2</b>			104419  JERRYCAN 20 L		
	<b>APPLICATION &amp; PERFORMANCE</b> Suitable for the lubrication of high-speed spindles bearings, air line oilers, hydraulic systems requiring low-viscosity lubricants in grinders and other machine tools. <b>STANDARDS:</b> <ul style="list-style-type: none"> <li>• ISO TR 3498: L-FD and L-HM</li> <li>• ISO 6743-2: L-FD</li> </ul>			<b>ADVANTAGES</b> <ul style="list-style-type: none"> <li>• Reduced sludge, varnish and deposit formation.</li> <li>• Corrosion resistance.</li> <li>• Excellent anti-wear protection.</li> <li>• Enhanced thermal and oxidative stability.</li> <li>• Zinc free.</li> </ul>		
<b>VISCOSITY @ 40 °C (CST)</b>	<b>VISCOSITY @ 100 °C (CST)</b>	<b>VI</b>	<b>BASE OIL</b>	<b>POUR POINT °C</b>	<b>FLASH POINT °C</b>	
2.1	1	148	Mineral	-54	108	

<b>SPINDLE OILS</b>	<b>PRODUCT NAME</b>			<b>SKU NR AND PACKAGING</b>		
	<b>SPEED A 5</b>			108222  JERRYCAN 20 L		
	<b>APPLICATION &amp; PERFORMANCE</b> Suitable for the lubrication of high-speed spindles bearings, air line oilers, hydraulic systems requiring low-viscosity lubricants in grinders and other machine tools. <b>STANDARDS:</b> <ul style="list-style-type: none"> <li>• ISO TR 3498: L-FD and L-HM</li> <li>• ISO 6743-2: L-FD</li> </ul>			<b>ADVANTAGES</b> <ul style="list-style-type: none"> <li>• Reduced sludge, varnish and deposit formation.</li> <li>• Corrosion resistance.</li> <li>• Excellent anti-wear protection.</li> <li>• Enhanced thermal and oxidative stability.</li> <li>• Zinc free.</li> </ul>		
<b>VISCOSITY @ 40 °C (CST)</b>	<b>VISCOSITY @ 100 °C (CST)</b>	<b>VI</b>	<b>BASE OIL</b>	<b>POUR POINT °C</b>	<b>FLASH POINT °C</b>	
5	1.8	133	Mineral	-12	134	



<b>SPINDLE OILS</b>	<b>PRODUCT NAME</b>			<b>SKU NR AND PACKAGING</b>			
	<b>SPEED A 10</b>			104420  JERRYCAN 20 L		108482  DRUM 208 L	108483  IBC 1000 L
	<b>APPLICATION &amp; PERFORMANCE</b> Suitable for the lubrication of high-speed spindles bearings, air line oilers, hydraulic systems requiring low-viscosity lubricants in grinders and other machine tools. <b>STANDARDS:</b> <ul style="list-style-type: none"> <li>• ISO TR 3498: L-FD and L-HM</li> <li>• ISO 6743-2: L-FD</li> </ul>			<b>ADVANTAGES</b> <ul style="list-style-type: none"> <li>• Reduced sludge, varnish and deposit formation.</li> <li>• Corrosion resistance.</li> <li>• Excellent anti-wear protection.</li> <li>• Enhanced thermal and oxidative stability.</li> <li>• Zinc free.</li> </ul>			
<b>VISCOSITY @ 40 °C (CST)</b>	<b>VISCOSITY @ 100 °C (CST)</b>	<b>VI</b>	<b>BASE OIL</b>	<b>POUR POINT °C</b>	<b>FLASH POINT °C</b>		
10	2.8	105	Mineral	-27	164		

<b>PRODUCT NAME</b>  <b>IRIX HP - PLC 42</b>		<b>SKU NR AND PACKAGING</b>					
		<b>108102</b>  24 x CARTRIDGE 400 G	<b>108103</b>  6 x CAN 1 KG				
<b>APPLICATION</b> Lubrication of ball, roller or smooth bearings exposed to low temperatures or very high speeds, while presenting low torque resistance (electric motors, machine tool spindles, gearboxes, mechanical elements for aeronautical, space or precision applications). Recommended for use in the presence of water or cutting fluids.		<b>ADVANTAGES</b> <ul style="list-style-type: none"> <li>• Excellent low temperature performance.</li> <li>• Very good mechanical stability.</li> <li>• Good corrosion protection.</li> <li>• Suitable for high speed and low temperature applications.</li> <li>• Anti-wear.</li> </ul>					
<b>BASE OIL</b> PAO	<b>BASE OIL VISCOSITY AT 40 °C</b> 42	<b>THICKENER</b> <i>Lithium Complex</i>	<b>NLGI GRADE</b> 2	<b>TEMPERATURE RANGE °C</b> -55 to 140 (180)	<b>DROP POINT °C</b> > 260	<b>4-BALL WELD LOAD KG</b> 380	<b>COLOUR</b> <i>Beige</i>







# CHAIN OILS & GREASES





A complete range for maximisation of service life of a chain drive or conveyor. MotulTech's high-performance chain and conveyor lubricants are suitable for many difficult operating conditions such as high temperature, stable, wet or corrosive environments. These products are based on synthetic base oils. They have extremely low volatility and will not form carbon deposits.





<b>CHAIN OILS</b>	<b>PRODUCT NAME</b>		<b>SKU NR AND PACKAGING</b>			
	<b>IRIX HP - HIGH TEMP HE 250 CL</b>		102729 	102730 	DRUM 208 L	IBC 1000 L
	<b>APPLICATION</b> 100% made from synthetic esters and latest generation antioxidant additives. Suitable for the lubrication of bearings and chains at a constant temperature range between 150 and 300 °C.		<b>ADVANTAGES</b> <ul style="list-style-type: none"> <li>• Good anti-wear properties.</li> <li>• Low evaporation rate.</li> <li>• Excellent resistance to thermal oxidation and coking.</li> <li>• Good corrosion resistance.</li> <li>• High flash point.</li> </ul>			
<b>BASE OIL</b>	<b>VISCOSITY @ 40 °C (CST)</b>	<b>VISCOSITY @ 100 °C (CST)</b>	<b>VI</b>	<b>POUR POINT °C</b>	<b>FLASH POINT °C</b>	
Ester	245	19	86	-	292	

# GREASES & PASTES






MotulTech offers a wide range of greases for various applications and operating conditions. They are the first choice for the lubrication of bearings, transmission, valves, plastic and electronic components when grease lubrication is requested by the manufacturer.

<b>GREASES &amp; PASTES</b>	<b>PRODUCT NAME</b>				<b>SKU NR AND PACKAGING</b>			
	<b>GRAISSE 113</b>				108243  24 X CARTRIDGE 400 G	108244  PAIL 19 KG	108245  DRUM 50 KG	106780  Fût 180 KG
	<b>APPLICATION</b> Multifunctional grease for machines working under mild conditions of load and temperature. Suitable for plain bearings, slideways, sliding blocks, lubrication of various machine movements. Temporary protection of metal parts and the protection of spray booths.				<b>ADVANTAGES</b> <ul style="list-style-type: none"> <li>• Insoluble in cold or tempered water.</li> <li>• Very easy to inject.</li> <li>• Good anti-corrosion and anti-wear performances.</li> <li>• Remains stable at work and when temperature changes.</li> <li>• Exceptional stickiness performances.</li> </ul>			
<b>BASE OIL</b>	<b>BASE OIL VISCOSITY AT 40 °C</b>	<b>THICKENER</b>	<b>NLGI GRADE</b>	<b>TEMPERATURE RANGE °C</b>	<b>DROPPING POINT °C</b>	<b>4-BALL WELD LOAD KG</b>	<b>COLOUR</b>	
Mineral	100	Calcium	2	-25 to 100	> 140	n/a	Amber	







<b>GREASES &amp; PASTES</b>	<b>PRODUCT NAME</b>				<b>SKU NR AND PACKAGING</b>			
	<b>IRIX LSM 1500</b>				106873  6 X CAN 1 KG	106788  4 X CAN 5 KG	106874  PAIL 19 KG	106875  DRUM 50 KG
	<b>APPLICATION</b> Lubrication of bearings, gears and all mechanical units operating under high loads. For reducers, centralised greasing, gears in crankcases, various parts working in a cold atmosphere, all soft EP grease uses.				<b>ADVANTAGES</b> <ul style="list-style-type: none"> <li>• Excellent protection against corrosion.</li> <li>• Excellent extreme-pressure performance.</li> <li>• Excellent wear protection.</li> <li>• Very good adhesion.</li> <li>• Very good stability in service and storage.</li> <li>• Insoluble in water.</li> <li>• Compatible with cardan joint and bellows.</li> </ul>			
<b>BASE OIL</b>	<b>BASE OIL VISCOSITY AT 40 °C</b>	<b>THICKENER</b>	<b>NLGI GRADE</b>	<b>TEMPERATURE RANGE °C</b>	<b>DROPPING POINT °C</b>	<b>4-BALL WELD LOAD KG</b>	<b>COLOUR</b>	
Mineral	52	Lithium	00	-30 to 130	170	285	Amber	

<b>GREASES &amp; PASTES</b>	<b>PRODUCT NAME</b>				<b>SKU NR AND PACKAGING</b>			
	<b>IRIX LSM 150</b>				106911  6 X CAN 1 KG	106785  4 X CAN 5 KG	106871  PAIL 19 KG	106872  DRUM 50 KG
	<b>APPLICATION</b> Lubricate bearings, gears and all mechanical units operating under high loads. For reducers, centralised greasing, gears in crankcases, various parts working in a cold atmosphere, all soft EP grease uses.				<b>ADVANTAGES</b> <ul style="list-style-type: none"> <li>• Excellent protection against corrosion.</li> <li>• Excellent extreme-pressure performance.</li> <li>• Excellent wear protection.</li> <li>• Very good adhesion.</li> <li>• Very good stability in service and storage.</li> <li>• Insoluble in water.</li> <li>• Compatible with cardan joint and bellows.</li> </ul>			
<b>BASE OIL</b>	<b>BASE OIL VISCOSITY AT 40 °C</b>	<b>THICKENER</b>	<b>NLGI GRADE</b>	<b>TEMPERATURE RANGE °C</b>	<b>DROPPING POINT °C</b>	<b>4-BALL WELD LOAD KG</b>	<b>COLOUR</b>	
Mineral	65	Lithium	0	-30 to 130	170	285	Amber	





## GREASES &amp; PASTES

PRODUCT NAME				SKU NR AND PACKAGING			
<b>IRIX LSM 151</b>				106789  24 X CARTRIDGE 400 G	106787  6 X CAN 1 KG	106781  4 X CAN 5 KG	
				106876  DRUM 50 KG	106784  DRUM 180 KG		
APPLICATION Lubrication of bearings, gears and all mechanical units operating under high loads. Centralized greasing.				ADVANTAGES <ul style="list-style-type: none"> <li>• Excellent protection against corrosion.</li> <li>• Excellent extreme-pressure performance.</li> <li>• Excellent wear protection .</li> <li>• Very good adhesion.</li> <li>• Very good stability in service and storage.</li> <li>• Insoluble in water.</li> <li>• Compatible with cardan joint and bellows.</li> </ul>			
BASE OIL <i>Mineral</i>	BASE OIL VISCOSITY AT 40 °C 130	THICKENER <i>Lithium</i>	NLGI GRADE 1	TEMPERATURE RANGE °C -20 to 140	DROPPING POINT °C 180	4-BALL WELD LOAD KG 285	COLOUR <i>Amber</i>





## GREASES &amp; PASTES

PRODUCT NAME				SKU NR AND PACKAGING			
<b>IRIX LSM 152</b>				104717  24 X CARTRIDGE 400 G	106877  6 X CAN 1 KG	106840  4 X CAN 5 KG	
				106878  PAIL 19 KG	106879  DRUM 50 KG	106882  DRUM 180 KG	
APPLICATION Lubrication of bearings, gears and all mechanical units operating under high loads. Suitable for a wide range of general-purpose lubrication applications ranging from bearings to cables, chains and other linkages. Also suitable as a multipurpose chassis, pin and bushing grease.				ADVANTAGES <ul style="list-style-type: none"> <li>• Excellent protection against corrosion.</li> <li>• Excellent extreme-pressure performance.</li> <li>• Excellent wear protection.</li> <li>• Very good adhesion.</li> <li>• Very good stability in service and storage.</li> <li>• Insoluble in water.</li> <li>• Compatible with cardan joint and bellows.</li> </ul>			
BASE OIL <i>Mineral</i>	BASE OIL VISCOSITY AT 40 °C 130	THICKENER <i>Lithium</i>	NLGI GRADE 2	TEMPERATURE RANGE °C -20 to 140	DROPPING POINT °C 190	4-BALL WELD LOAD KG 285	COLOUR <i>Amber</i>






## GREASES &amp; PASTES

PRODUCT NAME				SKU NR AND PACKAGING			
<b>IRIX LSM 153</b>				106783  24 X CARTRIDGE 400 G	106883  6 X CAN 1 KG	106782  4 X CAN 5 KG	106842  DRUM 50 KG
				APPLICATION Lubrication of bearings, gears and all mechanical units operating under high loads. Truck hubs, very loaded sleeves.			
BASE OIL <i>Mineral</i>	BASE OIL VISCOSITY AT 40 °C 130	THICKENER <i>Lithium</i>	NLGI GRADE 3	TEMPERATURE RANGE °C -20 to 140	DROPPING POINT °C 190	4-BALL WELD LOAD KG 285	COLOUR <i>Amber</i>



## GREASES &amp; PASTES

PRODUCT NAME				SKU NR AND PACKAGING			
<b>IRIX HP - LXM 202</b>				106790  24 X CARTRIDGE 400 G	106868  6 X CAN 1 KG	106869  PAIL 19 KG	106870  DRUM 50 KG
				APPLICATION Long term lubrication of all mechanisms subjected to very harsh working conditions. Perfectly adapted to greases for plain bearings, anti-friction bearings, small reduction gears, joints and other mechanisms subjected to high temperatures and loads.			
BASE OIL <i>Mineral</i>	BASE OIL VISCOSITY AT 40 °C 200	THICKENER <i>Lithium Complex</i>	NLGI GRADE 2	TEMPERATURE RANGE °C -20 to 160	DROPPING POINT °C ≥ 240	4-BALL WELD LOAD KG 400	COLOUR <i>Green</i>



GREASES & PASTES

<b>PRODUCT NAME</b>  <b>IRIX LSM 112 MO</b>				<b>SKU NR AND PACKAGING</b>			
				<b>106893</b>  <b>24 X CARTRIDGE 400 G</b>	<b>106894</b>  <b>6 X CAN 1 KG</b>	<b>106895</b>  <b>4 X CAN 5 KG</b>	
		<b>106896</b>  <b>DRUM 50 KG</b>	<b>106897</b>  <b>DRUM 180 KG</b>				
<b>APPLICATION</b> General industrial applications such as lubrication of gears, rolling contact bearings, plain bearings, splined shafts, etc. under heavy conditions (load, choc, presence of water). MoS2 content = 3%				<b>ADVANTAGES</b> <ul style="list-style-type: none"> <li>• Excellent extreme-pressure performances.</li> <li>• Good adhesiveness and excellent wear protection.</li> <li>• Excellent corrosion protection and water resistance.</li> <li>• Very good performances under boundary lubrication.</li> <li>• Good mechanical stability.</li> </ul>			
<b>BASE OIL</b> <i>Mineral</i>	<b>BASE OIL VISCOSITY AT 40 °C</b> <i>110</i>	<b>THICKENER</b> <i>Lithium</i>	<b>NLGI GRADE</b> <i>2</i>	<b>TEMPERATURE RANGE °C</b> <i>-30 to 120 (130)</i>	<b>DROPPING POINT °C</b> <i>190</i>	<b>4-BALL WELD LOAD KG</b> <i>365</i>	<b>COLOUR</b> <i>Black</i>



SLIDEWAY GREASES

<b>PRODUCT NAME</b>  <b>IRIX HP - LCM 92000</b>				<b>SKU NR AND PACKAGING</b>			
				<b>107192</b> 	<b>6 X CAN 1 KG</b>	<b>107888</b> 	<b>PAIL 19 KG</b>
<b>APPLICATION &amp; PERFORMANCE</b> Industrial and automotive applications with high loads and slow movements. Lubrication of rollers in linear guide systems of machine tools. Prime choice for wet, dirty and highly loaded conditions, especially at low speed and low temperature.				<b>ADVANTAGES</b> <ul style="list-style-type: none"> <li>• Excellent load carrying capacity.</li> <li>• Offers lower friction coefficient.</li> <li>• Suitable for central lubrication systems.</li> <li>• Very good water resistance.</li> <li>• Superior corrosion protection and antioxidant properties.</li> </ul>			
<b>BASE OIL</b> <i>Mineral</i>	<b>BASE OIL VISCOSITY AT 40 °C</b> <i>920</i>	<b>THICKENER</b> <i>Lithium Calcium</i>	<b>NLGI GRADE</b> <i>000</i>	<b>TEMPERATURE RANGE °C</b> <i>-20 to 120 (130)</i>	<b>DROPPING POINT °C</b> <i>&gt; 180</i>	<b>4-BALL WELD LOAD KG</b> <i>&gt; 700</i>	<b>COLOUR</b> <i>Brown</i>



GREASES & PASTES

<b>PRODUCT NAME</b>  <b>IRIX HP - CXSM 292</b>				<b>SKU NR AND PACKAGING</b>			
				<b>107191</b> 	<b>24 X CARTRIDGE 400 G</b>	<b>106843</b> 	<b>6 X CAN 1 KG</b>
<b>APPLICATION</b> Suitable for joints and screw connections being subjected to high thermal load or corrosive effects. Prevents scaling, burning together, cold-setting and corrosion, enables destruction-free disassembly. Lubrication of brake parts, screw joints, key and key grooves, press fits, threads of valve spindles.				<b>ADVANTAGES</b> <ul style="list-style-type: none"> <li>• Well adhesive on any metal.</li> <li>• Steam and water resistant.</li> <li>• Not dropping and high thermal stability.</li> <li>• Good sealing.</li> <li>• High pressure load.</li> <li>• Corrosion protection.</li> </ul>			
<b>BASE OIL</b> <i>Mineral</i>	<b>BASE OIL VISCOSITY AT 40 °C</b> <i>290</i>	<b>THICKENER</b> <i>Ca Sulphonate Cx</i>	<b>NLGI GRADE</b> <i>2</i>	<b>TEMPERATURE RANGE °C</b> <i>-30 to 140 (220)</i>	<b>DROPPING POINT °C</b> <i>&gt; 280</i>	<b>4-BALL WELD LOAD KG</b> <i>765</i>	<b>COLOUR</b> <i>Brown</i>



GREASES & PASTES

<b>PRODUCT NAME</b>  <b>IRIX HP - PLC 42</b>				<b>SKU NR AND PACKAGING</b>			
				<b>108102</b> 	<b>24 X CARTRIDGE 400 G</b>	<b>108103</b> 	<b>6 X CAN 1 KG</b>
<b>APPLICATION</b> Universal grease for wide range of temperature applications particularly at high speed and where a lubricant with low frictional resistance even at low temperatures is required.				<b>ADVANTAGES</b> <ul style="list-style-type: none"> <li>• Excellent low temperature performance.</li> <li>• Very good mechanical stability.</li> <li>• Good corrosion protection.</li> <li>• Suitable for high speed and low temperature applications.</li> </ul>			
<b>BASE OIL</b> <i>Synthetic PAO</i>	<b>BASE OIL VISCOSITY AT 40 °C</b> <i>44</i>	<b>THICKENER</b> <i>Lithium</i>	<b>NLGI GRADE</b> <i>2</i>	<b>TEMPERATURE RANGE °C</b> <i>-50 to 140 (180)</i>	<b>DROPPING POINT °C</b> <i>&gt; 260</i>	<b>4-BALL WELD LOAD KG</b> <i>380</i>	<b>COLOUR</b> <i>Beige</i>

**FOOD GRADE GREASES**

<b>PRODUCT NAME</b>  <b>IRIX HP - PAK 332</b>				<b>SKU NR AND PACKAGING</b> <b>108106</b>  <b>6 x CAN 1 KG</b>		<b>108105</b>  <b>24 x CARTRIDGE 400 G</b>	
				<b>APPLICATION</b> High performance universal food machinery grease for high and low temperature applications. • NSF H1 certified - Certification number 155333.			
<b>BASE OIL</b> Synthetic	<b>BASE OIL VISCOSITY AT 40 °C</b> 330	<b>THICKENER</b> Aluminium Complex	<b>NLGI GRADE</b> 2	<b>TEMPERATURE RANGE °C</b> -40 to 120 (130)	<b>DROPPING POINT °C</b> > 230	<b>4-BALL WELD LOAD KG</b> 400	<b>COLOUR</b> White



**GREASES & PASTES**



<b>PRODUCT NAME</b>  <b>IRIX HP - ETF 122</b>				<b>SKU NR AND PACKAGING</b> <b>101878</b>  <b>12 x CAN 1 KG</b>		<b>106039</b>  <b>PAIL 19 KG</b>	
				<b>APPLICATION</b> Suitable for joints and screw connections being subjected to high thermal load or corrosive effects. Prevents scaling, burning together, cold-setting and corrosion, enables destruction-free disassembly. Lubrication of brake parts, screw joints, key and key grooves, press fits, threads of valve spindles.			
<b>BASE OIL</b> Semi-synthetic	<b>BASE OIL VISCOSITY AT 40 °C</b> 120	<b>THICKENER</b> Bentonite	<b>NLGI GRADE</b> 2	<b>TEMPERATURE RANGE °C</b> -30 to 1400	<b>DROPPING POINT °C</b> none	<b>4-BALL WELD LOAD KG</b> 340	<b>COLOUR</b> White







# COMPRESSOR OILS


A range of special lubricants to lubricate both the working parts and the pressurized spaces in a compressor. MotulTech offers high-performance products for almost any piston and screw compressors, from small single-stage units to multi-stage versions with very high output. Depending on the application, you can find products on a mineral or synthetic basis, from 3,000 to 8,000 hrs service life.



<b>COMPRESSOR OILS</b>	<b>PRODUCT NAME</b>		<b>SKU NR AND PACKAGING</b>			
	<b>VIS 32</b>		104282 	108467 	JERRYCAN 20 L	DRUM 208 L
	<b>APPLICATION &amp; PERFORMANCE</b> Lubrication of screw air compressors as well as vacuum pumps.  <b>STANDARDS:</b> <ul style="list-style-type: none"> <li>• DIN 51506 - VDL</li> <li>• PNEUROP test: DIN 51 352-2</li> </ul>		<b>ADVANTAGES</b> <ul style="list-style-type: none"> <li>• Excellent anti-wear performances.</li> <li>• Excellent corrosion protection.</li> <li>• Excellent oxidation resistance and thermal stability at high temperatures.</li> <li>• Low ash and carbon formation.</li> <li>• Zinc free.</li> </ul>			
<b>BASE OIL</b>	<b>VISCOSITY @ 40 °C (CST)</b>	<b>VISCOSITY @ 100 °C (CST)</b>	<b>VI</b>	<b>POUR POINT °C</b>	<b>FLASH POINT °C</b>	
Mineral	32	5,1	92	-27	204	



<b>COMPRESSOR OILS</b>	<b>PRODUCT NAME</b>		<b>SKU NR AND PACKAGING</b>			
	<b>VIS 46</b>		104267 	108468 	JERRYCAN 20 L	DRUM 208 L
	<b>APPLICATION &amp; PERFORMANCE</b> Lubrication of screw air compressors as well as vacuum pumps.  <b>STANDARDS:</b> <ul style="list-style-type: none"> <li>• DIN 51506 - VDL</li> <li>• PNEUROP test: DIN 51 352-2</li> <li>• ISO 6743-3: DAH</li> </ul>		<b>ADVANTAGES</b> <ul style="list-style-type: none"> <li>• Excellent anti-wear performances.</li> <li>• Excellent corrosion protection.</li> <li>• Excellent oxidation resistance and thermal stability at high temperatures.</li> <li>• Low ash and carbon formation.</li> <li>• Zinc free.</li> </ul>			
<b>BASE OIL</b>	<b>VISCOSITY @ 40 °C (CST)</b>	<b>VISCOSITY @ 100 °C (CST)</b>	<b>VI</b>	<b>POUR POINT °C</b>	<b>FLASH POINT °C</b>	
Mineral	46	7	102	-24	240	



<b>COMPRESSOR OILS</b>	<b>PRODUCT NAME</b>		<b>SKU NR AND PACKAGING</b>			
	<b>ALTERNA 68</b>		107799 	107800 	JERRYCAN 20 L	DRUM 208 L
	<b>APPLICATION &amp; PERFORMANCE</b> Lubrication of reciprocating compressors as well as vacuum pumps.  <b>STANDARDS:</b> <ul style="list-style-type: none"> <li>• DIN 51506 - VDL</li> <li>• PNEUROP test: DIN 51 352-2</li> <li>• ISO 6743-3: DAH</li> </ul>		<b>ADVANTAGES</b> <ul style="list-style-type: none"> <li>• Excellent anti-wear performances.</li> <li>• Excellent corrosion protection.</li> <li>• Excellent oxidation resistance and thermal stability at high temperatures.</li> <li>• Low ash and carbon formation.</li> <li>• Zinc free.</li> </ul>			
<b>BASE OIL</b>	<b>VISCOSITY @ 40 °C (CST)</b>	<b>VISCOSITY @ 100 °C (CST)</b>	<b>VI</b>	<b>POUR POINT °C</b>	<b>FLASH POINT °C</b>	
Mineral	68	9,1	109	-15	230	

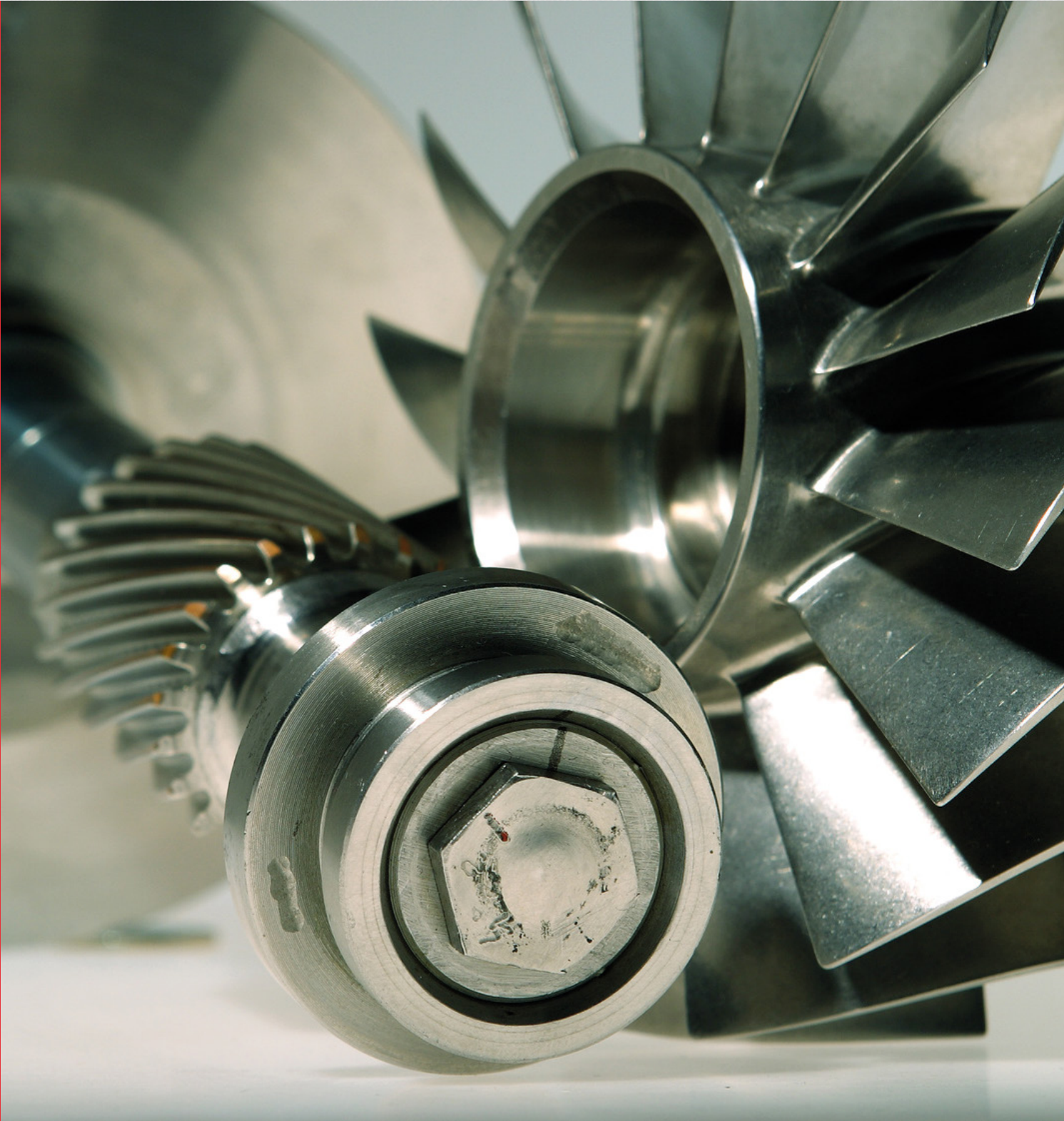
<b>COMPRESSOR OILS</b>	<b>PRODUCT NAME</b> <h2 style="margin: 0;">ALTERNA 100</h2>		<b>SKU NR AND PACKAGING</b> 104251  JERRYCAN 20 L		108469  DRUM 208 L	
	<b>APPLICATION &amp; PERFORMANCE</b> Lubrication of reciprocating compressors as well as vacuum pumps.			<b>ADVANTAGES</b> <ul style="list-style-type: none"> <li>Excellent anti-wear performances.</li> <li>Excellent corrosion protection.</li> <li>Excellent oxidation resistance and thermal stability at high temperatures.</li> <li>Low ash and carbon formation.</li> <li>Zinc free.</li> </ul>		
	<b>STANDARDS:</b> <ul style="list-style-type: none"> <li>DIN 51506 - VDL</li> <li>PNEUROP test: DIN 51 352-2</li> <li>ISO 6743-3: DAH</li> </ul>					
<b>BASE OIL</b>	<b>VISCOSITY @ 40 °C (CST)</b>	<b>VISCOSITY @ 100 °C (CST)</b>	<b>VI</b>	<b>POUR POINT °C</b>	<b>FLASH POINT °C</b>	
Mineral	100	11.3	105	-15	230	

<b>COMPRESSOR OILS</b>	<b>PRODUCT NAME</b> <h2 style="margin: 0;">ALTERNA 150</h2>		<b>SKU NR AND PACKAGING</b> 104283  JERRYCAN 20 L			
	<b>APPLICATION &amp; PERFORMANCE</b> Lubrication of reciprocating compressors as well as vacuum pumps.			<b>ADVANTAGES</b> <ul style="list-style-type: none"> <li>Excellent anti-wear performances.</li> <li>Excellent corrosion protection.</li> <li>Excellent oxidation resistance and thermal stability at high temperatures.</li> <li>Low ash and carbon formation.</li> <li>Zinc free.</li> </ul>		
	<b>STANDARDS:</b> <ul style="list-style-type: none"> <li>DIN 51506 - VDL</li> <li>PNEUROP test: DIN 51 352-2</li> <li>ISO 6743-3: DAH</li> </ul>					
<b>BASE OIL</b>	<b>VISCOSITY @ 40 °C (CST)</b>	<b>VISCOSITY @ 100 °C (CST)</b>	<b>VI</b>	<b>POUR POINT °C</b>	<b>FLASH POINT °C</b>	
Mineral	150	15.4	103	-15	232	

<b>COMPRESSOR OILS</b>	<b>PRODUCT NAME</b> <h2 style="margin: 0;">BAR SY 46</h2>		<b>SKU NR AND PACKAGING</b> 104688  JERRYCAN 20 L		104707  DRUM 208 L	
	<b>APPLICATION &amp; PERFORMANCE</b> High Performance synthetic lubricants for rotary and reciprocating compressors.			<b>ADVANTAGES</b> <ul style="list-style-type: none"> <li>Excellent wear and corrosion protection.</li> <li>Very long drain intervals for reduced compressor maintenance.</li> <li>Reduces varnish and lacquer deposits.</li> <li>High viscosity index.</li> <li>Very low volatility for lower oil consumption.</li> <li>High oxidation resistance.</li> <li>Excellent separation from air and water.</li> </ul>		
	<b>STANDARDS:</b> <ul style="list-style-type: none"> <li>DIN 51506 - VCL and VDL</li> <li>PNEUROP test: DIN 51 352-2</li> <li>ISO 6743-3: DAJ</li> </ul>					
<b>BASE OIL</b>	<b>VISCOSITY @ 40 °C (CST)</b>	<b>VISCOSITY @ 100 °C (CST)</b>	<b>VI</b>	<b>POUR POINT °C</b>	<b>FLASH POINT °C</b>	
Synthetic	46	7.5	128	-36	238	

<b>COMPRESSOR OILS</b>	<b>PRODUCT NAME</b> <h2 style="margin: 0;">BAR SY 68</h2>		<b>SKU NR AND PACKAGING</b> 104690  JERRYCAN 20 L		104761  DRUM 208 L	
	<b>APPLICATION &amp; PERFORMANCE</b> High Performance synthetic lubricants for rotary and reciprocating compressors.			<b>ADVANTAGES</b> <ul style="list-style-type: none"> <li>Excellent wear and corrosion protection.</li> <li>Very long drain intervals for reduced compressor maintenance.</li> <li>Reduces varnish and lacquer deposits.</li> <li>High viscosity index.</li> <li>Very low volatility for lower oil consumption.</li> <li>High oxidation resistance.</li> <li>Excellent separation from air and water.</li> </ul>		
	<b>STANDARDS:</b> <ul style="list-style-type: none"> <li>DIN 51506 - VCL and VDL</li> <li>PNEUROP test: DIN 51 352-2</li> <li>ISO 6743-3: DAJ</li> </ul>					
<b>BASE OIL</b>	<b>VISCOSITY @ 40 °C (CST)</b>	<b>VISCOSITY @ 100 °C (CST)</b>	<b>VI</b>	<b>POUR POINT °C</b>	<b>FLASH POINT °C</b>	
Synthetic	68	10	124	-33	250	



<b>PRODUCT NAME</b>  <b>BAR SY 100</b>		<b>SKU NR AND PACKAGING</b> 104691		104689	
			JERRYCAN 20 L		DRUM 208 L
<b>APPLICATION &amp; PERFORMANCE</b> High Performance synthetic lubricants for rotary and reciprocating compressors.			<b>ADVANTAGES</b> <ul style="list-style-type: none"> <li>• Excellent wear and corrosion protection.</li> <li>• Very long drain intervals for reduced compressor maintenance.</li> <li>• Reduces varnish and lacquer deposits.</li> <li>• High viscosity index.</li> <li>• Very low volatility for lower oil consumption.</li> <li>• High oxidation resistance.</li> <li>• Excellent separation from air and water.</li> </ul>		
<b>STANDARDS:</b> <ul style="list-style-type: none"> <li>• DIN 51506 - VCL and VDL</li> <li>• PNEUROP test: DIN 51 352-2</li> <li>• ISO 6743-3: DAJ</li> </ul>					
<b>BASE OIL</b> Synthetic	<b>VISCOSITY @ 40 °C (CST)</b> 100	<b>VISCOSITY @ 100 °C (CST)</b> 12.5	<b>VI</b> 117	<b>POUR POINT °C</b> -27	<b>FLASH POINT °C</b> 252








# HEAT TRANSFER OILS


A range of temperature and oxidation-resistant mineral and synthetic fluids, low viscous and chemically inert, with high thermal potential for cooling systems.

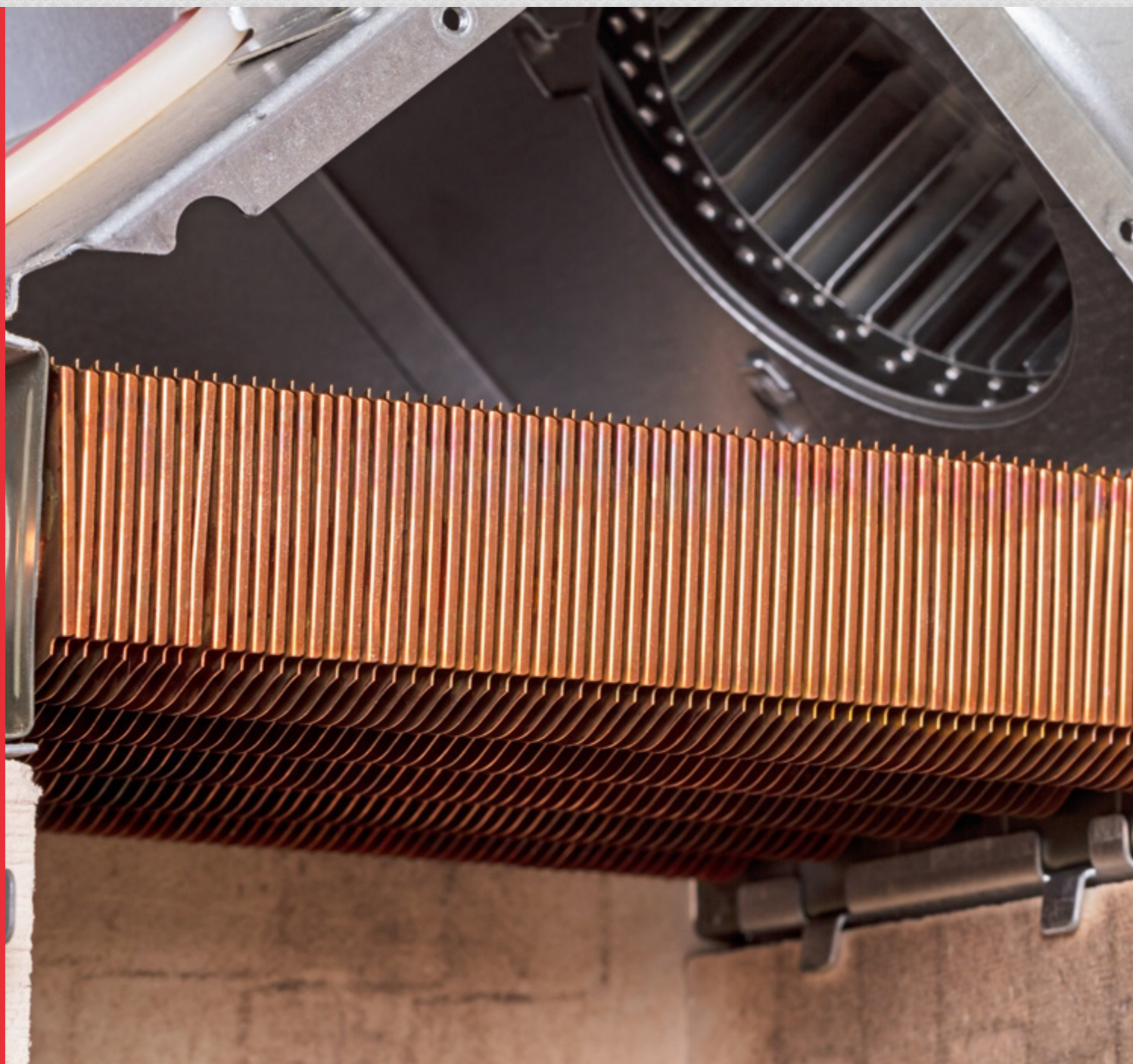
These oils guarantee best corrosion protection and improved oxidation stability in enclosed heating circuits.

<b>HEAT TRANSFER OILS</b>	<b>PRODUCT NAME</b>		<b>SKU NR AND PACKAGING</b>		
	<b>SUPRACAL 22</b>		104497	104504	
					
			JERRYCAN 20 L	DRUM 208 L	
<b>APPLICATION</b>		<b>ADVANTAGES</b>			
Highly refined mineral oil with paraffinic tendencies for heat transfer and thermal controls operating at temperatures up to 280°C. Intended for dynamic circulation.		<ul style="list-style-type: none"> <li>• Perfect stability at high temperatures.</li> <li>• High resistance to oxidation.</li> <li>• Excellent anti-rust, anti-corrosion and anti-foam properties.</li> <li>• Low viscosity for excellent thermodynamic characteristics.</li> <li>• Toxic free, Zinc free.</li> </ul>			
<b>BASE OIL</b>	<b>VISCOSITY @ 40 °C (CST)</b>	<b>VISCOSITY @ 100 °C (CST)</b>	<b>VI</b>	<b>POUR POINT °C</b>	<b>FLASH POINT °C</b>
Mineral	22	4	81	-27	214

<b>HEAT TRANSFER OILS</b>	<b>PRODUCT NAME</b>		<b>SKU NR AND PACKAGING</b>		
	<b>SUPRACAL 32</b>		104500	104503	104501
					
			JERRYCAN 20 L	DRUM 208 L	IBC 1000 L
<b>APPLICATION</b>		<b>ADVANTAGES</b>			
Highly refined mineral oil with paraffinic tendencies for heat transfer and thermal controls operating at temperatures up to 280°C. Can be used for dynamic circulation as well as static applications.		<ul style="list-style-type: none"> <li>• Perfect stability at high temperatures.</li> <li>• High resistance to oxidation.</li> <li>• Excellent anti-rust, anti-corrosion and anti-foam properties.</li> <li>• Low viscosity for excellent thermodynamic characteristics.</li> <li>• Very low vapour pressure.</li> <li>• Toxic free, Zinc free.</li> </ul>			
<b>BASE OIL</b>	<b>VISCOSITY @ 40 °C (CST)</b>	<b>VISCOSITY @ 100 °C (CST)</b>	<b>VI</b>	<b>POUR POINT °C</b>	<b>FLASH POINT °C</b>
Mineral	32	5.5	107	-33	224

<b>HEAT TRANSFER OILS</b>	<b>PRODUCT NAME</b>		<b>SKU NR AND PACKAGING</b>		
	<b>SUPRACAL 105</b>		104496	104502	
					
			JERRYCAN 20 L	IBC 1000 L	
<b>APPLICATION</b>		<b>ADVANTAGES</b>			
Highly refined mineral oil with paraffinic tendencies for heat transfer and thermal controls operating at temperatures up to 280°C. Intended for static applications.		<ul style="list-style-type: none"> <li>• Perfect stability at high temperatures.</li> <li>• High resistance to oxidation.</li> <li>• Excellent anti-rust, anti-corrosion and anti-foam properties.</li> <li>• Low viscosity for excellent thermodynamic characteristics.</li> <li>• Very low vapour pressure.</li> <li>• Toxic free, Zinc free.</li> </ul>			
<b>BASE OIL</b>	<b>VISCOSITY @ 40 °C (CST)</b>	<b>VISCOSITY @ 100 °C (CST)</b>	<b>VI</b>	<b>POUR POINT °C</b>	<b>FLASH POINT °C</b>
Mineral	105	11.5	100	-17	270

PRODUCT NAME		SKU NR AND PACKAGING			
<b>SAFCAL 55</b>		100786 	100787 		
		DRUM 60 KG	DRUM 205 KG		
<b>APPLICATION</b> Synthetic heat transfer fluid with exceptional properties and performance levels. Completely soluble in water, prevents from creation of sludge and gum deposits. Can be used in plastic and rubber, textile (treatment, finishing), pharmaceutical and chemical industry.		<b>ADVANTAGES</b> <ul style="list-style-type: none"> <li>• Excellent heat exchange properties.</li> <li>• Excellent lubricating power.</li> <li>• High flash point and ignition point.</li> <li>• Excellent viscosity / temperature ratio.</li> <li>• Temperature range up to 260 – 270 °C in closed systems.</li> </ul>			
BASE OIL	VISCOSITY @ 40 °C (CST)	VISCOSITY @ 100 °C (CST)	VI	POUR POINT °C	FLASH POINT °C
PAG	55	11	200	-37	244



# FOOD GRADE LUBRICANTS



Wherever there is an occasional or technically unavoidable contact of lubricants and food products, only lubricants which are listed by the NSF under the heading H1 must be used exclusively. MotulTech offers a full range of NSF approved lubricants for all branches of the food industry and food packaging, such as industrial bakeries, beverages, fresh products, slaughterhouses, and more.

**77-80** FOOD GRADE OILS

**81** FOOD GRADE GREASES

# FOOD GRADE OILS



The MotulTech's Food Grade oils range is especially suitable for the food industry. Typical applications are mechanisms in machines for meat processing, production of dairy and bakery products, beverages, the processing of sugar and cereals, as well as the production of pharmaceutical products, animal feed and food packaging.

FOOD GRADE OILS	HYDRAULIC	PRODUCT NAME		SKU NR AND PACKAGING		
		<b>HYDRAULIC FG 32</b>		106609	IBC 1000 L	
		<p><b>APPLICATION &amp; APPROVAL</b> Lubrication of hydraulic systems, in the food and beverage, cosmetic and pharmaceutical industries. Made from elements that are part of the Food and Drug Administration.</p> <ul style="list-style-type: none"> <li>List FDA - 21 CFR 178.3570.</li> <li>NSF H1 certified - Certification number 151711.</li> </ul>		<p><b>ADVANTAGES</b></p> <ul style="list-style-type: none"> <li>Oxidation stability.</li> <li>EP and anti-wear performance.</li> <li>Excellent corrosion protection.</li> <li>Excellent anti-foam properties.</li> <li>Excellent water demulsibility.</li> </ul>		
RANGE	BASE OIL	VISCOSITY @ 40 °C (CST)	VISCOSITY @ 100 °C (CST)	VI	POUR POINT °C	FLASH POINT °C
	Medicinal white oil	32	7	189	-10	> 185


FOOD GRADE OILS	HYDRAULIC	PRODUCT NAME		SKU NR AND PACKAGING		
		<b>HYDRAULIC FG 46</b>		108463	108464	
		<p><b>APPLICATION &amp; APPROVAL</b> Lubrication of hydraulic systems, in the food and beverage, cosmetic and pharmaceutical industries. Made from elements that are part of the Food and Drug Administration.</p> <ul style="list-style-type: none"> <li>List FDA - 21 CFR 178.3570</li> <li>NSF H1 certified - Certification number 139812.</li> </ul>		JERRYCAN 20 L	DRUM 208 L	
RANGE	BASE OIL	VISCOSITY @ 40 °C (CST)	VISCOSITY @ 100 °C (CST)	VI	POUR POINT °C	FLASH POINT °C
	Medicinal white oil	46	9	181	-10	> 185

FOOD GRADE OILS	HYDRAULIC	PRODUCT NAME		SKU NR AND PACKAGING		
		<b>HYDRAULIC FG 100</b>		102018	JERRYCAN 20 L	
		<p><b>APPLICATION &amp; APPROVAL</b> Lubrication of hydraulic systems, in the food and beverage, cosmetic and pharmaceutical industries. Made from elements that are part of the Food and Drug Administration.</p> <ul style="list-style-type: none"> <li>List FDA - 21 CFR 178.3570</li> <li>NSF H1 certified - Certification number 141163.</li> </ul>		<p><b>ADVANTAGES</b></p> <ul style="list-style-type: none"> <li>Oxidation stability.</li> <li>EP and anti-wear performance.</li> <li>Excellent corrosion protection.</li> <li>Excellent anti-foam properties.</li> <li>Excellent water demulsibility.</li> </ul>		
RANGE	BASE OIL	VISCOSITY @ 40 °C (CST)	VISCOSITY @ 100 °C (CST)	VI	POUR POINT °C	FLASH POINT °C
	Medicinal white oil	100	15	155	-10	> 190



**FOOD GRADE OILS**

<b>HYDRAULIC</b>	<b>PRODUCT NAME</b>		<b>SKU NR AND PACKAGING</b>			
	<b>HYDRAULIC FG-F 32</b>		104449 	104451 		
			JERRYCAN 20 L	DRUM 215 L		
<b>APPLICATION &amp; APPROVAL</b> Lubrication of plain bearings, conveyor chains, hydraulic circuits particularly at low temperatures. Lubricant of choice in cold industries.  • NSF H1 certified - Certification number 147869.			<b>ADVANTAGES</b> • Reinforced anti-wear and anti-corrosion performance. • Excellent anti-foam properties. • Excellent water demulsibility. • High viscosity index. • Low pour point.			
<b>RANGE</b>	<b>BASE OIL</b>	<b>VISCOSITY @ 40 °C (CST)</b>	<b>VISCOSITY @ 100 °C (CST)</b>	<b>VI</b>	<b>POUR POINT °C</b>	<b>FLASH POINT °C</b>
	PAO	32	6	130	-50	240



**FOOD GRADE OILS**

<b>HYDRAULIC</b>	<b>PRODUCT NAME</b>		<b>SKU NR AND PACKAGING</b>			
	<b>HYDRAULIC FG-V 46</b>		108505 	DRUM 215 L		
	<b>APPLICATION &amp; APPROVAL</b> Lubrication of plain bearings, conveyor chains, hydraulic circuits particularly at low temperatures. Lubricant of choice in cold industries.  • NSF H1 certified - Certification number 139811.			<b>ADVANTAGES</b> • Reinforced anti-wear and anti-corrosion performance. • Excellent anti-foam properties. • Excellent water demulsibility. • High viscosity index. • Low pour point.		
<b>RANGE</b>	<b>BASE OIL</b>	<b>VISCOSITY @ 40 °C (CST)</b>	<b>VISCOSITY @ 100 °C (CST)</b>	<b>VI</b>	<b>POUR POINT °C</b>	<b>FLASH POINT °C</b>
	PAO	46	8.5	130	-45	250

**FOOD GRADE OILS**



<b>GEAR</b>	<b>PRODUCT NAME</b>		<b>SKU NR AND PACKAGING</b>			
	<b>GEAR FG 150</b>		102098 	108507 		
			JERRYCAN 20 L	DRUM 215 L		
<b>APPLICATION &amp; APPROVAL</b> Lubrication of plain bearings and loaded enclosed gears in the food and beverage industry. Made from elements that are part of the Food and Drug Administration list. • List FDA - 21 CFR 178.3570. • NSF H1 certified - Certification number 139808.			<b>ADVANTAGES</b> • Oxidation stability. • EP and anti-wear performance. • Excellent corrosion protection. • High viscosity index. • Excellent anti-foam properties. • Low pour point.			
<b>RANGE</b>	<b>BASE OIL</b>	<b>VISCOSITY @ 40 °C (CST)</b>	<b>VISCOSITY @ 100 °C (CST)</b>	<b>VI</b>	<b>POUR POINT °C</b>	<b>FLASH POINT °C</b>
	Semi-synthetic	150	20	154	-10	> 205

**FOOD GRADE OILS**



<b>GEAR</b>	<b>PRODUCT NAME</b>		<b>SKU NR AND PACKAGING</b>			
	<b>GEAR FG 220</b>		108502 	108503 		
			JERRYCAN 20 L	DRUM 215 L		
<b>APPLICATION &amp; APPROVAL</b> Lubrication of plain bearings and loaded enclosed gears in the food and beverage industry. Made from elements that are part of the Food and Drug Administration list. • List FDA - 21 CFR 178.3570. • NSF H1 certified - Certification number 139807.			<b>ADVANTAGES</b> • Oxidation stability. • EP and anti-wear performance. • Excellent corrosion protection. • High viscosity index. • Excellent anti-foam properties. • Low pour point.			
<b>RANGE</b>	<b>BASE OIL</b>	<b>VISCOSITY @ 40 °C (CST)</b>	<b>VISCOSITY @ 100 °C (CST)</b>	<b>VI</b>	<b>POUR POINT °C</b>	<b>FLASH POINT °C</b>
	Semi-synthetic	220	24	136	-10	> 205




**FOOD GRADE OILS**

GEAR		SKU NR AND PACKAGING					
		102132	108504				
<b>PRODUCT NAME</b> <b>GEAR FG 320</b>						JERRYCAN 20 L	DRUM 215 L
<b>APPLICATION &amp; APPROVAL</b> Lubrication of plain bearings and loaded enclosed gears in the food and beverage industry. Made from elements that are part of the Food and Drug Administration list. <ul style="list-style-type: none"> <li>List FDA - 21 CFR 178.3570.</li> <li>NSF H1 certified - Certification number 139806.</li> </ul>		<b>ADVANTAGES</b> <ul style="list-style-type: none"> <li>Oxidation stability.</li> <li>EP and anti-wear performance.</li> <li>Excellent corrosion protection.</li> <li>High viscosity index.</li> <li>Excellent anti-foam properties.</li> <li>Low pour point.</li> </ul>					
<b>RANGE</b>	<b>BASE OIL</b> Semi-synthetic	<b>VISCOSITY @ 40 °C (CST)</b> 320	<b>VISCOSITY @ 100 °C (CST)</b> 40	<b>VI</b> 178	<b>POUR POINT °C</b> -15	<b>FLASH POINT °C</b> > 210	


**FOOD GRADE OILS**

GEAR		SKU NR AND PACKAGING					
		102520	108508				
<b>PRODUCT NAME</b> <b>GEAR FG 460</b>						JERRYCAN 20 L	DRUM 215 L
<b>APPLICATION &amp; APPROVAL</b> Lubrication of plain bearings and loaded enclosed gears in the food and beverage industry. Made from elements that are part of the Food and Drug Administration list. <ul style="list-style-type: none"> <li>List FDA - 21 CFR 178.3570.</li> <li>NSF H1 certified - Certification number 139805.</li> </ul>		<b>ADVANTAGES</b> <ul style="list-style-type: none"> <li>Oxidation stability.</li> <li>EP and anti-wear performance.</li> <li>Excellent corrosion protection.</li> <li>High viscosity index.</li> <li>Excellent anti-foam properties.</li> <li>Low pour point.</li> </ul>					
<b>RANGE</b>	<b>BASE OIL</b> Semi-synthetic	<b>VISCOSITY @ 40 °C (CST)</b> 460	<b>VISCOSITY @ 100 °C (CST)</b> 55	<b>VI</b> 187	<b>POUR POINT °C</b> -15	<b>FLASH POINT °C</b> > 220	

**FOOD GRADE OILS**


GEAR		SKU NR AND PACKAGING				
		106184				
<b>PRODUCT NAME</b> <b>GEAR FG 680</b>						JERRYCAN 20 L
<b>APPLICATION &amp; APPROVAL</b> Lubrication of plain bearings and loaded enclosed gears in the food and beverage industry. Made from elements that are part of the Food and Drug Administration list. <ul style="list-style-type: none"> <li>List FDA - 21 CFR 178.3570.</li> <li>NSF H1 certified - Certification number 139804.</li> </ul>		<b>ADVANTAGES</b> <ul style="list-style-type: none"> <li>Oxidation stability.</li> <li>EP and anti-wear performance.</li> <li>Excellent corrosion protection.</li> <li>High viscosity index.</li> <li>Excellent anti-foam properties.</li> <li>Low pour point.</li> </ul>				
<b>RANGE</b>	<b>BASE OIL</b> Semi-synthetic	<b>VISCOSITY @ 40 °C (CST)</b> 680	<b>VISCOSITY @ 100 °C (CST)</b> 65	<b>VI</b> 167	<b>POUR POINT °C</b> -15	<b>FLASH POINT °C</b> > 220

**FOOD GRADE OILS**

COMPRESSOR		SKU NR AND PACKAGING				
		108506				
<b>PRODUCT NAME</b> <b>COMPRESSOR FG 46</b>						DRUM 215 L
<b>APPLICATION &amp; APPROVAL</b> Lubrication of CO <sub>2</sub> , air and inert gas compressors in the food and beverage industry. Made from elements that are part of the Food and Drug Administration list. <ul style="list-style-type: none"> <li>List FDA - 21 CFR 178.3570.</li> <li>NSF H1 certified - Certification number 139810.</li> </ul>		<b>ADVANTAGES</b> <ul style="list-style-type: none"> <li>Low volatility.</li> <li>High EP and anti-wear performance.</li> <li>Excellent corrosion protection.</li> <li>Excellent demulsibility.</li> <li>Low residue tendency.</li> <li>Excellent anti-foam properties.</li> <li>Excellent deaeration properties.</li> </ul>				
<b>RANGE</b>	<b>BASE OIL</b> Synthetic	<b>VISCOSITY @ 40 °C (CST)</b> 46	<b>VISCOSITY @ 100 °C (CST)</b> 7.6	<b>VI</b> 130	<b>POUR POINT °C</b> -30	<b>FLASH POINT °C</b> > 240



**FOOD GRADE OILS**

**COMPRESSOR**

<b>PRODUCT NAME</b>		<b>SKU NR AND PACKAGING</b>			
<b>COMPRESSOR FG 68</b>		102131			
				JERRYCAN 20 L	
<b>APPLICATION &amp; APPROVAL</b>		<b>ADVANTAGES</b>			
Suitable for the lubrication of CO2, air and inert gas compressors in the food and beverage industry Made from elements that are part of the Food and Drug Administration list. <ul style="list-style-type: none"> <li>List FDA - 21 CFR 178.3570</li> <li>NSF H1 certified - Certification number 139809.</li> </ul>		<ul style="list-style-type: none"> <li>Low volatility.</li> <li>High EP and anti-wear performance.</li> <li>Excellent corrosion protection.</li> <li>Excellent demulsibility.</li> <li>Low residue tendency.</li> <li>Excellent anti-foam properties.</li> <li>Excellent deaeration properties.</li> </ul>			
<b>BASE OIL</b>	<b>VISCOSITY @ 40 °C (CST)</b>	<b>VISCOSITY @ 100 °C (CST)</b>	<b>VI</b>	<b>POUR POINT °C</b>	<b>FLASH POINT °C</b>
RANGE Synthetic	68	10	130	-30	> 240



**FOOD GRADE OILS**




**CHAIN**

<b>PRODUCT NAME</b>		<b>SKU NR AND PACKAGING</b>			
<b>CHAIN FG 320</b>		104486	104487	 	
				JERRYCAN 20 L	DRUM 215 L
<b>APPLICATION &amp; APPROVAL</b>		<b>ADVANTAGES</b>			
Lubrication of drive and transport chains in the food industry and equipment manufacturing food packaging industry. Made from elements that are part of the Food and Drug Administration list. <ul style="list-style-type: none"> <li>List FDA - 21 CFR 178.3570.</li> <li>NSF H1 certified - Certification number 147870.</li> </ul>		<ul style="list-style-type: none"> <li>High resistance to water.</li> <li>Excellent oxidation stability.</li> <li>High anti-wear performances.</li> <li>Excellent corrosion protection.</li> <li>Very good adherence.</li> <li>No coking deposits.</li> </ul>			
<b>BASE OIL</b>	<b>VISCOSITY @ 40 °C (CST)</b>	<b>VISCOSITY @ 100 °C (CST)</b>	<b>VI</b>	<b>POUR POINT °C</b>	<b>FLASH POINT °C</b>
RANGE Synthetic	320	34.1	150	-45	> 240

# FOOD GRADE GREASES

A complete range of NSF-H1 registered food-grade greases for food processing environments. For the lubrication of bearings, conveyors, hinges....

<b>FOOD GRADE GREASES</b>	<b>PRODUCT NAME</b>				<b>SKU NR AND PACKAGING</b>			
	<b>IRIX HP - PAK 332</b>				<b>108106</b>  <b>6 x CAN 1 KG</b>		<b>108105</b>  <b>24 x CARTRIDGE 400 G</b>	
	<b>APPLICATION</b> High performance universal food machinery grease for high and low temperature applications. • NSF H1 certified - Certification number 155333.				<b>ADVANTAGES</b> • Excellent water resistance. • Good load carrying capacity. • Excellent resistance to shock loads. • Good oxidation resistance.			
<b>BASE OIL</b>	<b>BASE OIL VISCOSITY AT 40 °C</b>	<b>THICKENER</b>	<b>NLGI GRADE</b>	<b>TEMPERATURE RANGE °C</b>	<b>DROPPING POINT °C</b>	<b>4-BALL WELD LOAD KG</b>	<b>COLOUR</b>	
Synthetic	330	Aluminium Complex	2	-40 to 120 (130)	> 230	400	White	

<b>FOOD GRADE GREASES</b>	<b>PRODUCT NAME</b>				<b>SKU NR AND PACKAGING</b>					
	<b>TECH GREASE FG 2</b>				<b>102151</b>  <b>PAIL 25 KG</b>		<b>101672</b>  <b>12 x CAN 900 G</b>		<b>103198</b>  <b>24 x CARTRIDGE 400 G</b>	
	<b>APPLICATION</b> Lubrication of bearings, chains, joints, linkages and slides in the food and beverage industry. • NSF H1 certified - Certification number 139436.				<b>ADVANTAGES</b> • Excellent water resistance and corrosion protection. • Excellent shear stability and anti wear performance. • Superior adherence.					
<b>BASE OIL</b>	<b>BASE OIL VISCOSITY AT 40 °C</b>	<b>THICKENER</b>	<b>NLGI GRADE</b>	<b>TEMPERATURE RANGE °C</b>	<b>DROPPING POINT °C</b>	<b>4-BALL WELD LOAD KG</b>	<b>COLOUR</b>			
Mineral	80	Inorganic	2	-20 to 180	None		Crystal			

# MAINTENANCE PRODUCTS





Equipment relubrication is a preventive maintenance function. MotulTech's maintenance range consists of high-quality lubricants for any kind of maintenance, repair and overhaul application in any industry, for any workshop.


**83-84** AEROSOLS

# AEROSOLS

Specialty products for a simple, quick and clean form of application for various employments. Due to its precise application - even in difficult to access areas - these aerosols are indispensable for numerous maintenance and assembly applications.

<b>AEROSOLS</b>	<b>PRODUCT NAME</b>		<b>SKU NR AND PACKAGING</b>	
	<b>SAFCO SPRAY MULTILUBE</b>		106139  6 x 400 ML AEROSOL	
	<b>APPLICATION</b>		<b>ADVANTAGES</b>	
	Multifunctional lubricant, rust preventative, cleaner for any kind of industrial maintenance and daily workshop usage.		<ul style="list-style-type: none"> <li>• One product for various applications.</li> <li>• Biodegradable.</li> <li>• Without silicone, acids or chlorinated solvents.</li> <li>• Compatible with all plastics, elastomers and paint.</li> </ul>	
<b>USE</b>	<b>CONTAINER</b>	<b>NET CONTENT</b>	<b>FLASH POINT °C</b>	
Multi purpose Lubricant	650 ml	400 ml	> 100	

<b>AEROSOLS</b>	<b>PRODUCT NAME</b>		<b>SKU NR AND PACKAGING</b>	
	<b>SAFCO SPRAY 21</b>		106972  6 x 400 ML AEROSOL	
	<b>APPLICATION</b>		<b>ADVANTAGES</b>	
	Fast cleaning solvent degreaser for any kind of workshop and industrial usage. Can also be used as a temporary corrosion protection.		<ul style="list-style-type: none"> <li>• Compatible with most plastics and elastomers.</li> <li>• Quick evaporation time.</li> <li>• Cleans part from oil, grease, ink, glue, resins or plastics residues.</li> </ul>	
<b>USE</b>	<b>CONTAINER</b>	<b>NET CONTENT</b>	<b>FLASH POINT °C</b>	
Cleaner Degreaser	650 ml	400 ml	23	

<b>AEROSOLS</b>	<b>PRODUCT NAME</b>		<b>SKU NR AND PACKAGING</b>	
	<b>EJECTOR LUBE</b>		107020  6 x 400 ML AEROSOL	
	<b>APPLICATION</b>		<b>ADVANTAGES</b>	
	High performance grease for ejector pin lubrication of plastic injection moulds.		<ul style="list-style-type: none"> <li>• High temperature stable, inflammable.</li> <li>• Excellent anti-wear properties.</li> <li>• Very good corrosion protection.</li> <li>• Compatible with any kind of metals, plastics and elastomers.</li> </ul>	
<b>USE</b>	<b>CONTAINER</b>	<b>NET CONTENT</b>	<b>FLASH POINT °C</b>	
Ejector pin Lubricant	650 ml	400 ml		

<b>AEROSOLS</b>	<b>PRODUCT NAME</b>		<b>SKU NR AND PACKAGING</b>	
	<b>DEMOLD SPRAY</b>		107019	
			6 x 500 ML AEROSOL	
<b>APPLICATION</b>		<b>ADVANTAGES</b>		
Release agent for plastic injection moulds, extrusion, blow moulding, thermoforming and compression. Perfect for the release of materials such as polyamids, ABS, polyurethans, epoxies, polyesters, rubbers, ...		<ul style="list-style-type: none"> <li>• Excellent anti-adhesion and lubricating properties.</li> <li>• Leaves a dry, thin film.</li> <li>• Easy demoulding even for complicated shapes.</li> <li>• Avoids surface defects.</li> <li>• Compatible with most metals, plastics and rubbers.</li> <li>• Silicone-free and paintable.</li> </ul>		
<b>USE</b>	<b>CONTAINER</b>	<b>NET CONTENT</b>	<b>FLASH POINT °C</b>	
Release agent for plastic Injection	650 ml	500 ml		

<b>AEROSOLS</b>	<b>PRODUCT NAME</b>		<b>SKU NR AND PACKAGING</b>	
	<b>INTENSE CLEANER</b>		107021	
			6 x 400 ML AEROSOL	
<b>APPLICATION</b>		<b>ADVANTAGES</b>		
High power gel cleaner for paints, residues and dirt on metal surfaces. Especially suited for the cleaning of plastic residues on plastic injection moulds.		<ul style="list-style-type: none"> <li>• Without chlorinated solvents.</li> <li>• Very fast cleaning time.</li> <li>• Works perfectly even on vertical surfaces.</li> </ul>		
<b>USE</b>	<b>CONTAINER</b>	<b>NET CONTENT</b>	<b>FLASH POINT °C</b>	
Heavy duty Cleaner gel	650 ml	400 ml	43	

Product & technical data may change without prior notice  
Non contractual data

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