



# PRODUCT CATALOGUE

INDUSTRIAL  
LUBRICANTS  
**2017**

**MOTUL** **TECH**



# HEXIS

Motul is a French company with an international dimension, specialising in the formulation, production and distribution of highperformance 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.



<b>COMPANY PRESENTATION</b>	4
<b>CASTED, DRILLED, FILLED: THE MOTUL GROUP EXPERTISE</b>	6
<b>PROCESS LUBRICANTS</b>	8
<b>01 Metal Working</b>	10
Neat Machining oils	11
Minimum quantity Lubrication	18
Soluble Machining Fluids	20
Heat Treatment	24
Forming	28
<b>02 Cleaning &amp; Protection</b>	34
Cleaners	35
Rust preventatives	37
<b>EQUIPMENT &amp; SPECIALITY LUBRICANTS</b>	40
<b>03 General Lubrication</b>	42
Hydraulics	43
Multifunctional Oils	50
Gear Oils & Greases	51
Slideway Oils & Greases	56
Spindle Oils	58
Chain Oils	59
Greases & Pastes	60
Compressor Oils	63
Heat Transfer Oils	66
<b>04 Food Grade Lubricants</b>	68
Food Grade Oils	69
Food Grade Greases	73
<b>05 Maintenance Products</b>	74
Aerosols	75





**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.**

Motul keeps this reality in mind by performing throughout the most important stages of creation. Machines have to be built before performance can begin. From the very first moment when a complex component is casted in a casting machine, to the moment it is drilled and processed in a sophisticated computer controlled machine tool, MotulTech's expertise addresses specific industrial constraints with high proficiency and innovative solutions.

In the automotive industry that specific complex component is assembled into a state-of-the-art engine and subsequently installed into its final home in a vehicle. Engines are filled with the best of Motul, inspired by the 300V essence tested in the most demanding laboratories that exist - race tracks.





MotulTech is a division of the Motul Group, a family owned international company manufacturing high performance lubricants for more than 150 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.

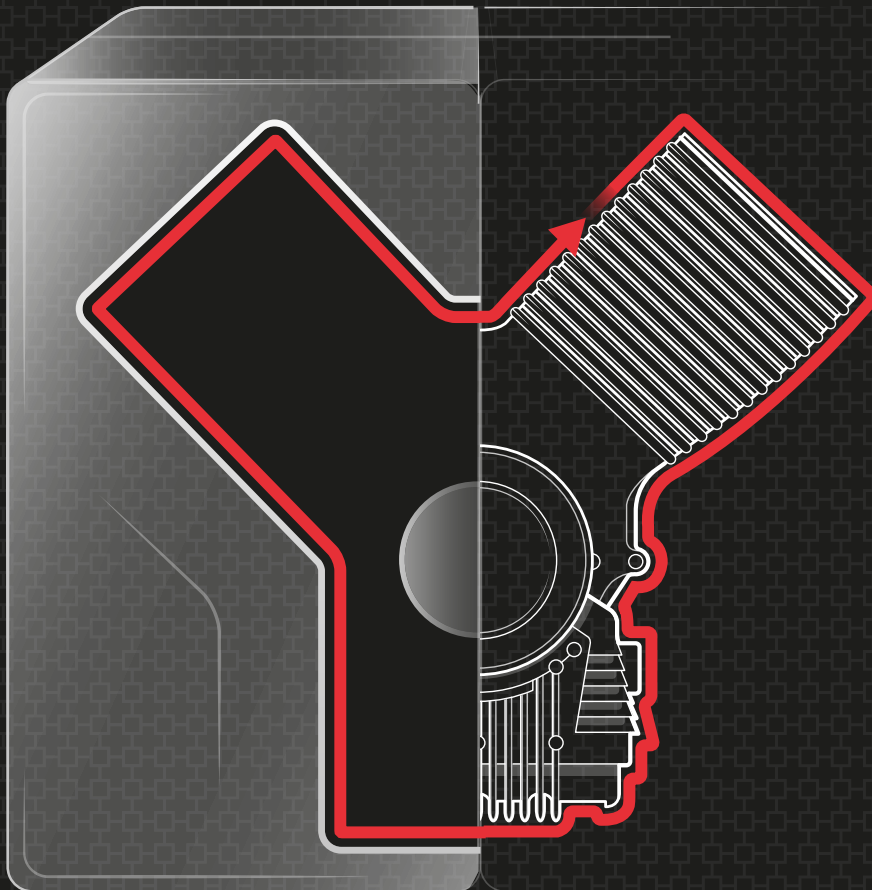
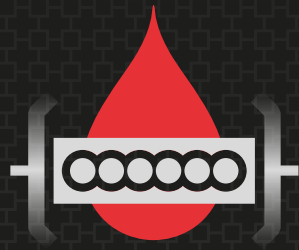
# **MOTULTECH** **THE** **INDUSTRIAL** **LUBRICANTS** **DIVISION OF** **THE MOTUL** **GROUP**





# MOTUL GROUP

**MOTUL** TECH



1

**CASTED**

FROM MELTED METAL TO DIE CASTED  
METAL BODIES



2

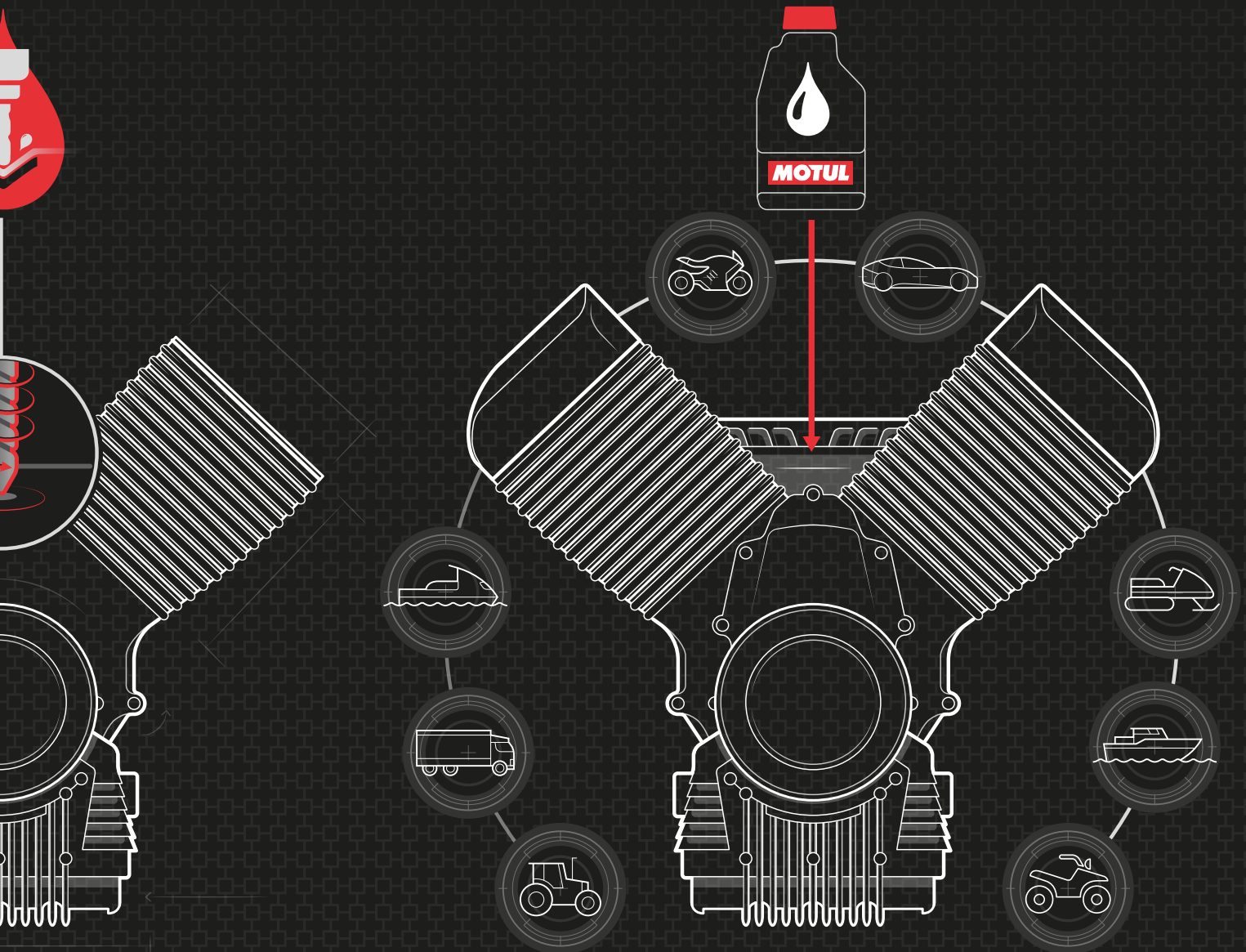
**DRI**

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**

**34 CLEANING & PROTECTION**

**01**  
**02**







# METAL WORKING

5

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 v 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

**18-19** MINIMUM QUANTITY LUBRICATION

**20-23** SOLUBLE MACHINING FLUIDS



**24-27** HEAT TREATMENT



**28-33** FORMING






# 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 customised 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	SKU NR AND PACKAGING		
	RANGE	SERIE	PRODUCT NAME
	SUPRACO	SUPRACO 1000	<b>SUPRACO 1015</b>
			<div>  <div>107184</div> <div>DRUM 208 L</div> </div> <div>  <div>107185</div> <div>IBC 1000 L</div> </div>
	APPLICATION		ADVANTAGES
	Standard Bar turning, on mild steel and brass.		<ul style="list-style-type: none"> <li>• Good cooling properties, suitable for ferrous and non ferrous metals.</li> <li>• Can be used for machinery lubrication.</li> </ul>
	VISCOSITY @ 40°C (CST)	COPPER CORROSION	FLASHPOINT °C
	15	1a	>160




NEAT MACHINING OILS	SKU NR AND PACKAGING		
	RANGE	SERIE	PRODUCT NAME
	SUPRACO	SUPRACO 1000	<b>SUPRACO 1020</b>
			<div>  <div>107357</div> <div>DRUM 208 L</div> </div> <div>  <div>104342</div> <div>IBC 1000 L</div> </div>
	APPLICATION		ADVANTAGES
	Standard Bar turning, on mild steel and brass.		<ul style="list-style-type: none"> <li>• Good cooling properties, suitable for ferrous and non ferrous metals.</li> <li>• Can be used for machinery lubrication.</li> </ul>
	VISCOSITY @ 40°C (CST)	COPPER CORROSION	FLASHPOINT °C
	22	1a	>200

NEAT MACHINING OILS	SKU NR AND PACKAGING		
	RANGE	SERIE	PRODUCT NAME
	SUPRACO	SUPRACO 1000	<b>SUPRACO 1030</b>
			<div>  <div>107168</div> <div>DRUM 208 L</div> </div> <div>  <div>107167</div> <div>IBC 1000 L</div> </div> <div>  <div>106038</div> <div>BULK</div> </div>
	APPLICATION		ADVANTAGES
	Standard Bar turning, on mild steel and brass.		<ul style="list-style-type: none"> <li>• Good cooling properties, suitable for ferrous and non ferrous metals.</li> <li>• Can be used for machinery lubrication.</li> </ul>
	VISCOSITY @ 40°C (CST)	COPPER CORROSION	FLASHPOINT °C
	22	1a	>200






NEAT MACHINING OILS		SKU NR AND PACKAGING			
RANGE	SUPRACO	SUPRACO 1000	<div>PRODUCT NAME</div> <div>SUPRACO 1045</div>	<div>107042</div> <div></div> <div>DRUM 208 L</div>	<div>107043</div> <div></div> <div>IBC 1000 L</div>
			<div>APPLICATION</div> <div>Standard Bar turning, on mild steel and brass.</div>	<div>ADVANTAGES</div> <div><ul style="list-style-type: none"><li>• Good cooling properties, suitable for ferrous and non ferrous metals.</li><li>• Can be used for machinery lubrication.</li></ul></div>	
			<div>VISCOSITY @ 40°C (CST)</div> <div>45</div>	<div>COPPER CORROSION</div> <div>1a</div>	<div>FLASHPOINT °C</div> <div>&gt;230</div>




NEAT MACHINING OILS		SKU NR AND PACKAGING			
RANGE	SERIE	SUPRACO  SUPRACO MT	PRODUCT NAME	107248	107249
			SUPRACO MT 2030	 IBC 1000 L	 BULK
			APPLICATION Standard machining on mild to semi hard steels and non ferrous metals.		
			VISCOSITY @ 40°C (CST)	COPPER CORROSION	FLASHPOINT °C
			30	1b	>215




NEAT MACHINING OILS		SKU NR AND PACKAGING				
RANGE	SUPRACO  SUPRACO MT	PRODUCT NAME		104818	104728	106823
		SUPRACO MT 3015		 DRUM 208 L	 IBC 1000 L	 BULK
		APPLICATION Difficult machining on ferrous metals.		ADVANTAGES <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</li><li>• reduces fumes and burnts and tool wear.</li></ul>		
		VISCOSITY @ 40°C (CST)	COPPER CORROSION		FLASHPOINT °C	
		15	4c		>175	




NEAT MACHINING OILS		SKU NR AND PACKAGING			
RANGE	SERIE	SUPRACO MT		SUPRACO MT 3020	
		APPLICATION		ADVANTAGES	
		VISCOSITY @ 40°C (CST)		FLASHPOINT °C	
		COPPER CORROSION		BULK	
		4c		>200	






NEAT MACHINING OILS		SUPRACO		SUPRACO 3000		SKU NR AND PACKAGING	
RANGE	SERIE	PRODUCT NAME		104818	104728	106823	
		SUPRACO 3020					
				DRUM 208 L	IBC 1000 L	BULK	
		APPLICATION		ADVANTAGES			
		Difficult machining on ferrous metals.		<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</li><li>• reduces fumes and burnt and tool wear.</li></ul>			
		VISCOSITY @ 40°C (CST)	COPPER CORROSION		FLASHPOINT °C		
		22	4c		>200		

NEAT MACHINING OILS		SKU NR AND PACKAGING				
RANGE	SUPRACO	SUPRACO 4000	PRODUCT NAME	104818	104728	106823
			SUPRACO 4010			
				DRUM 208 L	IBC 1000 L	BULK
APPLICATION			ADVANTAGES			
Difficult machining (drilling, milling, threading, reaming) on hard metals, stainless steel and hard steels, non ferrous metals. Suitable in particular for deep drilling on hard metals.			<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</li><li>• reduces fumes and burnt and tool wear.</li></ul>			
VISCOSITY @ 40°C (CST)	COPPER CORROSION		FLASHPOINT °C			
10	1b		>145			



NEAT MACHINING OILS		SKU NR AND PACKAGING				
RANGE	SUPRACO	SUPRACO 4000	PRODUCT NAME	104683	104684	104729
			SUPRACO 4018			
				DRUM 208 L	IBC 1000 L	BULK
		APPLICATION	ADVANTAGES			
		Difficult machining (drilling, milling, threading, reaming) on hard metals, stainless steel and hard steels, non ferrous metals.	<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</li><li>• reduces fumes and burnt and tool wear.</li></ul>			
VISCOSITY @ 40°C (CST)	COPPER CORROSION		FLASHPOINT °C			
22	1b		>195			




NEAT MACHINING OILS		SKU NR AND PACKAGING				
RANGE	SUPRACO	SUPRACO 4000	PRODUCT NAME	104755	104756	104811
			SUPRACO 4030			
				DRUM 208 L	IBC 1000 L	BULK
				APPLICATION		ADVANTAGES
			Difficult machining (drilling, milling, threading, reaming) on hard metals, stainless steel and hard steels, non ferrous metals.	<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</li><li>• reduces fumes and burnt and tool wear.</li></ul>		
			VISCOSITY @ 40°C (CST)	COPPER CORROSION		FLASHPOINT °C
			30	1b		>210






NEAT MACHINING OILS		SKU NR AND PACKAGING			
RANGE	SUPRACO 4000	PRODUCT NAME	104757	104758	104738
		SUPRACO 4040	 DRUM 208 L	 IBC 1000 L	 BULK
		APPLICATION	ADVANTAGES		
		Standard Bar turning, on mild steel and brass.	<ul style="list-style-type: none"><li>• Good cooling properties, suitable for ferrous and non ferrous metals.</li><li>• Can be used for machinery lubrication.</li></ul>		
RANGE	SERIE	VISCOSITY @ 40°C (CST)	COPPER CORROSION		FLASHPOINT °C
		40	1b		>220




NEAT MACHINING OILS		SUPRACO		SUPRACO 5000	
RANGE	SERIE	PRODUCT NAME		SKU NR AND PACKAGING	
		SUPRACO 5015		104819	
		APPLICATION		104754	
Severe machining such as deep drilling, broaching, threading and cutting on stainless steel and titanium.		DRUM 208 L		IBC 1000 L	
ADVANTAGES		• High cooling and good wetting properties. Very high Extreme Pressure. • For ferrous metals only.			
VISCOSITY @ 40°C (CST)		COPPER CORROSION		FLASHPOINT °C	
15		4b		>165	




NEAT MACHINING OILS		SKU NR AND PACKAGING			
RANGE	SERIE	PRODUCT NAME		104753	104751
		SUPRACO 5040			
		APPLICATION		ADVANTAGES	
		Severe machining such as deep drilling, broaching, threading and cutting on stainless steel and titanium.		<ul style="list-style-type: none"><li>• High cooling and good wetting properties. Very high Extreme Pressure.</li><li>• For ferrous metals only.</li></ul>	
		VISCOSITY @ 40°C (CST)	COPPER CORROSION		FLASHPOINT °C
		40	4c		>180



NEAT MACHINING OILS		SKU NR AND PACKAGING				
RANGE	SUPRACO 5000	PRODUCT NAME		104687	104605	104604
		SUPRACO 5050				
		APPLICATION		ADVANTAGES		
		Severe machining such as deep drilling, broaching, threading and cutting on stainless steel and titanium.		• High cooling and good wetting properties. Very high Extreme Pressure. • For ferrous metals only.		
VISCOSITY @ 40°C (CST)		COPPER CORROSION			FLASHPOINT °C	
50	4c				>195	






NEAT MACHINING OILS		SKU NR AND PACKAGING			
RANGE	SERIE	PRODUCT NAME	104371	106918	106919
		SUPRACUT 2015	 JERRYCAN 20 L	 DRUM 208 L	 IBC 1000 L
		APPLICATION	ADVANTAGES		
		Standard machining operations such as bar turning, drilling, threading or reaming on all metals	<ul style="list-style-type: none"> <li>• Good cooling properties , suitable for ferrous and non-ferrous metals.</li> <li>• Good wetting properties with resistant oil film. Allows to reduce tool wear.</li> </ul>		
		VISCOSITY @ 40°C (CST)	COPPER CORROSION		FLASHPOINT °C
		15	1b		165




NEAT MACHINING OILS		SKU NR AND PACKAGING			
RANGE	SERIE	PRODUCT NAME	104737	104734	104739
		SUPRACUT 2030	 DRUM 208 L	 IBC 1000 L	 BULK
		APPLICATION	ADVANTAGES		
		Standard machining operations on mild to semi-hard steels and non ferrous metals	<ul style="list-style-type: none"> <li>• Good cooling properties , suitable for ferrous and non-ferrous metals.</li> <li>• Good wetting properties with resistant oil film. Allows to reduce tool wear.</li> </ul>		
		VISCOSITY @ 40°C (CST)	COPPER CORROSION		FLASHPOINT °C
		30	1b		215



NEAT MACHINING OILS		SKU NR AND PACKAGING			
RANGE	SERIE	PRODUCT NAME	104606	104607	104694
		SUPRACUT 3015	 DRUM 208 L	 IBC 1000 L	 BULK
		APPLICATION	ADVANTAGES		
		Standard machining operations on mild to semi-hard steels and non ferrous metals	<ul style="list-style-type: none"> <li>• Good cooling properties , suitable for ferrous and non-ferrous metals.</li> <li>• Good wetting properties with resistant oil film.</li> <li>• Allows to reduce tool wear and oil consumption by generating small metal chips.</li> </ul>		
		VISCOSITY @ 40°C (CST)	COPPER CORROSION		FLASHPOINT °C
		15	1b		>185



NEAT MACHINING OILS		SKU NR AND PACKAGING			
RANGE	SERIE	PRODUCT NAME	104682	104686	
		SUPRACUT 3020	 DRUM 208 L	 IBC 1000 L	
		APPLICATION	ADVANTAGES		
		Difficult machining (drilling, milling, threading, reaming) on hard metals, stainless steel and hard steels, non ferrous metals.	<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</li> <li>• reduces fumes and burnt and tool wear.</li> </ul>		
		VISCOSITY @ 40°C (CST)	COPPER CORROSION		FLASHPOINT °C
		22	1b		>200






NEAT MACHINING OILS		SKU NR AND PACKAGING			
RANGE	SERIE	PRODUCT NAME	104687	104605	104604
		SUPRACUT 3030	 DRUM 208 L	 IBC 1000 L	 BULK
		APPLICATION	ADVANTAGES		
		Standard machining operations such as bar turning, drilling, threading or reaming on all metals	<ul style="list-style-type: none"> <li>• Good cooling properties, easy part draining suitable for ferrous and non-ferrous metals.</li> <li>• Good wetting properties with resistant oil film.</li> <li>• Allows to reduce tool wear and oil consumption by generating small metal chips.</li> </ul>		
		VISCOSITY @ 40°C (CST)	COPPER CORROSION		FLASHPOINT °C
		30	1b		>210




NEAT MACHINING OILS		SKU NR AND PACKAGING			
RANGE	SERIE	PRODUCT NAME	105737	105680	105856
		SUPRACUT 3045	 DRUM 208 L	 IBC 1000 L	 BULK
		APPLICATION	ADVANTAGES		
		Standard machining operations such as bar turning, drilling, threading or reaming on all metals	<ul style="list-style-type: none"> <li>• Good cooling properties, easy part draining suitable for ferrous and non-ferrous metals.</li> <li>• Good wetting properties with resistant oil film.</li> <li>• Allows to reduce tool wear and oil consumption by generating small metal chips.</li> </ul>		
		VISCOSITY @ 40°C (CST)	COPPER CORROSION		FLASHPOINT °C
		45	1b		>225

NEAT MACHINING OILS		SKU NR AND PACKAGING			
RANGE	SERIE	PRODUCT NAME	105050	105021	
		SUPRACUT 4020	 DRUM 208 L	 IBC 1000 L	
		APPLICATION	ADVANTAGES		
		Standard machining operations such as bar turning, drilling, threading or reaming on all metals	<ul style="list-style-type: none"> <li>• Good cooling properties, easy part draining suitable for ferrous and non-ferrous metals.</li> <li>• Good wetting properties with resistant oil film.</li> <li>• Allows to reduce tool wear and oil consumption by generating small metal chips.</li> </ul>		
		VISCOSITY @ 40°C (CST)	COPPER CORROSION		FLASHPOINT °C
		22	1b		194

NEAT MACHINING OILS		SKU NR AND PACKAGING			
RANGE	SERIE	PRODUCT NAME	104685	104603	
		SUPRACUT 5030	 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>• Very high Extreme pressure.</li> <li>• Good wetting properties with resistant oil film.</li> <li>• Allows to reduce tool wear and oil consumption even on severe machining operations.</li> <li>• Can be used for machine lubrication.</li> <li>• Only for ferrous metals.</li> </ul>		
		VISCOSITY @ 40°C (CST)	COPPER CORROSION		FLASHPOINT °C
		30	4c		>180



NEAT MACHINING OILS		SKU NR AND PACKAGING			
RANGE	SERIE	PRODUCT NAME	105808	105998	106889
		<b>SUPRACUT HC 3015</b>	 DRUM 208 L	 IBC 1000 L	 BULK
		<b>APPLICATION</b> Standard machining operations such as bar turning, drilling, threading or reaming on all metals	<b>ADVANTAGES</b> <ul style="list-style-type: none"> <li>• Oil mist reduction</li> <li>• Less evaporation, lower consumption</li> <li>• Oxydation resistance: improved oil lifetime</li> <li>• BaP content compliant with HSE regulations</li> </ul>		
RANGE	SERIE	VISCOSITY @ 40°C (CST)	COPPER CORROSION		FLASHPOINT °C
		15	1b		>215

NEAT MACHINING OILS		SKU NR AND PACKAGING			
RANGE	SERIE	PRODUCT NAME	105789	106052	106890
		<b>SUPRACUT HC 3030</b>	 DRUM 208 L	 IBC 1000 L	 BULK
		<b>APPLICATION</b> Standard machining operations such as bar turning, drilling, threading or reaming on all metals	<b>ADVANTAGES</b> <ul style="list-style-type: none"> <li>• Oil mist reduction</li> <li>• Less evaporation, lower consumption</li> <li>• Oxydation resistance: improved oil lifetime</li> <li>• BaP content compliant with HSE regulations</li> </ul>		
RANGE	SERIE	VISCOSITY @ 40°C (CST)	COPPER CORROSION		FLASHPOINT °C
		30	1b		222






# 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	SUPRACO	PRODUCT NAME		SKU NR AND PACKAGING	
		SUPRACO 1308		104237	100561
				 JERRYCAN 20 L	 DRUM 190 KG
	APPLICATION Aluminium milling				
RANGE	VISCOSITY @ 40°C (CST)		COPPER CORROSION	FLASHPOINT °C	BASE OIL
	46		1a	324	Ester

MINIMUM QUANTITY LUBRICATION	SUPRACO	PRODUCT NAME		SKU NR AND PACKAGING	
		SUPRACO 1309		104375	
					
	APPLICATION		JERRYCAN 20 L		
Deep drilling on aluminium					
RANGE	VISCOSITY @ 40°C (CST)		COPPER CORROSION	FLASHPOINT °C	BASE OIL
	32		1a	268	Ester

MINIMUM QUANTITY LUBRICATION	SUPRACO	PRODUCT NAME		SKU NR AND PACKAGING	
		SUPRACO 1315		105575	
					
				JERRYCAN 20 L	
APPLICATION					
Standard machining operations.					
RANGE	VISCOSITY @ 40°C (CST)		COPPER CORROSION		FLASHPOINT °C
	15		1a		214
				BASE OIL	
				Ester + Vegetable Oil	






MINIMUM QUANTITY LUBRICATION	SUPRACO	SKU NR AND PACKAGING		
		PRODUCT NAME	102939	
		<b>SUPRACO 1320 WR</b>		PAIL 50 KG
		APPLICATION Machining and sawing on aluminium, without residues on parts after drying.		
RANGE	VISCOSITY @ 40°C (CST)	COPPER CORROSION	FLASHPOINT °C	BASE OIL
	22	1a	180	Synthetic Alcohol









# 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 FLUIDS MACHINING	BIOCOOL	SKU NR AND PACKAGING				
		PRODUCT NAME	105690	105693	105691	
		<b>BIOCOOL 3210</b>				
			JERRYCAN 20 L	DRUM 200 L	IBC 1000 L	
		APPLICATION Light to medium duty machining on steel alloys, titanium.		ADVANTAGES • Formaldehyde free. • Aerospace approvals: SNECMA		
RANGE		TECHNOLOGY Synthetic fluid	APPEARANCE IN DILUTION Translucent yellow green	CONCENTRATION OF USE (depends on the application and the materials) 3 - 8%	WATER HARDNESS 0 - 800 ppm	REFRACTOMETER FACTOR 2.8



SOLUBLE FLUIDS MACHINING	BIOCOOL	SKU NR AND PACKAGING				
		PRODUCT NAME	107370	107374		
		<b>BIOCOOL 3837 GR</b>				
			DRUM 208 L	JERRYCAN 20 L		
		APPLICATION Heavy duty grinding operations on cast iron and all steel alloys Forming operations on cast iron and all steel alloys Limited suitability with yellow metals		ADVANTAGES • Boron free / Formaldehyde free		
RANGE		TECHNOLOGY Synthetic fluid	APPEARANCE IN DILUTION Translucent	CONCENTRATION OF USE (depends on the application and the materials) 5 - 12%	WATER HARDNESS 0 - 400ppm	REFRACTOMETER FACTOR 1.5



SOLUBLE FLUIDS MACHINING	SAFKOOL	SKU NR AND PACKAGING				
		PRODUCT NAME	106327	106509		
		<b>SAFKOOL 6110</b>				
			DRUM 200 L	IBC 1000 L		
		APPLICATION Light to medium duty machining on cast-iron and mild steel.		ADVANTAGES • Formaldehyde free.		
RANGE		TECHNOLOGY Semi Synthetic fluid	APPEARANCE IN DILUTION Opalescent white-yellow	CONCENTRATION OF USE (depends on the application and the materials) 5 - 8%	WATER HARDNESS 100 - 400 ppm	REFRACTOMETER FACTOR 2.3






SOLUBLE FLUIDS MACHINING	SAFKOOL		SKU NR AND PACKAGING			
			PRODUCT NAME	104226	100665	101995
	SAFKOOL 6220		 JERRYCAN 20 KG	 DRUM 208 L	 IBC 1000 L	
	APPLICATION Medium duty machining on ferrous, steel. Limited suitability with aluminium and copper alloys.		ADVANTAGES <ul style="list-style-type: none"><li>• Formaldehyde free.</li><li>• Multipurpose.</li><li>• Very stable in hard water.</li></ul>			
TECHNOLOGY Semi Synthetic fluid		APPEARANCE IN DILUTION Opalescent white-yellow	CONCENTRATION OF USE (depends on the application and the materials) 5 - 15%		WATER HARDNESS 250 - 800 ppm	REFRACTOMETER FACTOR 1.7




SOLUBLE FLUIDS MACHINING	SAFKOOL	PRODUCT NAME		SKU NR AND PACKAGING	
		SAFKOOL 6221		<div>104446</div> <div></div> <div>JERRYCAN 20 KG</div>	<div>102857</div> <div></div> <div>DRUM 190 KG</div>
	APPLICATION Medium duty machining on ferrous, steel Limited suitability with aluminium and copper alloys		ADVANTAGES • Multipurpose		
RANGE	TECHNOLOGY	APPEARANCE IN DILUTION	CONCENTRATION OF USE <i>(depends on the application and the materials)</i>	WATER HARDNESS	REFRACTOMETER FACTOR
	Semi Synthetic fluid	Opalescent white-yellow	5 - 10%	300 - 600 ppm	1.9




SOLUBLE FLUIDS MACHINING	SAFKOOL	PRODUCT NAME		SKU NR AND PACKAGING			
		SAFKOOL 6420		105600	105767		
				 DRUM 200 L	 IBC 1000 L		
	APPLICATION		ADVANTAGES				
	Medium duty machining on aluminium, titanium and steel alloys.		<ul style="list-style-type: none"><li>• Formaldehyde free.</li><li>• Suitable for soft water and High Pressure.</li><li>• Aerospace approvals: SNECMA.</li></ul>				
	TECHNOLOGY		APPEARANCE IN DILUTION	CONCENTRATION OF USE <i>(depends on the application and the materials)</i>		WATER HARDNESS	REFRACTOMETER FACTOR
RANGE	Semi Synthetic fluid		opalescent white-yellow	5 - 12%		50 - 600 ppm	1.65




SOLUBLE FLUIDS MACHINING	SAFKKOOL	PRODUCT NAME		SKU NR AND PACKAGING	
		SAFKKOOL 6817 GR		107375	107376
				 DRUM 208 L	 JERRYCAN 20 L
		APPLICATION Medium duty grinding and machining on aluminium and steel alloys.		ADVANTAGES <ul style="list-style-type: none"><li>• Boron free.</li><li>• Formaldehyde free.</li></ul>	
RANGE	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 FLUIDS MACHINING	STABILIS	SKU NR AND PACKAGING				
		PRODUCT NAME		104228	102078	102079
		STABILIS 9220		 JERRYCAN 20 KG	 DRUM 200 KG	 IBC 990 KG
		APPLICATION Medium duty machining on aluminium, steel and copper alloys.		ADVANTAGES <ul style="list-style-type: none"><li>• Formaldehyde free</li><li>• Multipurpose</li></ul>		
RANGE	TECHNOLOGY	APPEARANCE IN DILUTION	CONCENTRATION OF USE (depends on the application and the materials)	WATER HARDNESS	REFRACTOMETER FACTOR	
	Emulsion	<i>fine emulsion</i>	5 - 8%	100 - 600ppm	1.2	

SOLUBLE FLUIDS MACHINING	STABILIS	PRODUCT NAME		SKU NR AND PACKAGING			
		STABILIS 9230		104580	103216	103788	
				 JERRYCAN 20 KG	 DRUM 200 KG	 IBC 980 KG	
	APPLICATION		ADVANTAGES				
	Heavy duty machining on aluminium (aerospace & automotive), steel alloys, titanium and nickel alloys.		<ul style="list-style-type: none"><li>• Formaldehyde free</li><li>• Aerospace approvals: SNECMA, AIRBUS</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 - 400ppm	1.0

SOLUBLE FLUIDS MACHINING	STABILIS	SKU NR AND PACKAGING				
		PRODUCT NAME		106793	102853	105611
		STABILIS 9421		 JERRYCAN 20 KG	 DRUM 205 KG	 IBC 1000 L
		APPLICATION Medium duty machining on aluminium and steel alloys.		ADVANTAGES • Suitable for soft water and High Pressure.		
RANGE		TECHNOLOGY Semi Synthetic fluid	COPPER CORROSION opalescent white-yellow	CONCENTRATION OF USE (depends on the application and the materials) 5 - 8%	WATER HARDNESS 50 - 600 ppm	REFRACTOMETER FACTOR 1.4

SOLUBLE FLUIDS MACHINING	STABILIS	SKU NR AND PACKAGING				
		PRODUCT NAME	104578	103598	103782	
		STABILIS 9820	 JERRYCAN 20 KG	 DRUM 200 KG	 IBC 980 KG	
		APPLICATION	ADVANTAGES			
		Medium duty machining on aluminium, steel, titanium and copper alloys.	<ul style="list-style-type: none"><li>• Amine free.</li><li>• Boron free.</li><li>• Formaldehyde free.</li><li>• Aerospace approvals: SNECMA.</li></ul>			
RANGE	TECHNOLOGY	APPEARANCE IN DILUTION	CONCENTRATION OF USE <i>(depends on the application and the materials)</i>	WATER HARDNESS	REFRACTOMETER FACTOR	
	Emulsion	milky white	6 - 8%	150 - 400 ppm	0.9	




SOLUBLE FLUIDS MACHINING	STABILIS	SKU NR AND PACKAGING				
		PRODUCT NAME		107373	107374	
		<b>STABILIS 9837 AL</b>		 DRUM 208 L	 JERRYCAN 20 L	
		<b>APPLICATION</b> Heavy duty machining on aluminium (cast & automotive) and steel alloys.		<b>ADVANTAGES</b> <ul style="list-style-type: none"> <li>• Boron free.</li> <li>• Formaldehyde free.</li> </ul>		
RANGE		TECHNOLOGY	APPEARANCE IN DILUTION	CONCENTRATION OF USE (depends on the application and the materials)	WATER HARDNESS	REFRACTOMETER FACTOR
		Emulsion	Milky white	10%	100 - 500 ppm	1








# 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, again 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




HEAT TREATMENT	COLD QUENCHING	SKU NR AND PACKAGING		
		PRODUCT NAME	106694	
		THERMIC TO 10	<div></div> <div>DRUM 208 L</div>	
		APPLICATION	ADVANTAGES	
		Quenching of parts of simple geometry, made of good quenching power steel.	<ul style="list-style-type: none"><li>• Excellent thermic shock resistance thanks to high quality additives</li><li>• Reduced calefaction area</li><li>• Reduced fire risk thanks to high flash point</li></ul>	
RANGE		VISCOSITY @ 40°C (CST)	FLASH POINT	COOLING SPEED
		28	210	Normal


HEAT TREATMENT	COLD QUENCHING	PRODUCT NAME		SKU NR AND PACKAGING		
		THERMIC TO 10 R		<div>100759</div> <div></div> <div>DRUM 180 KG</div>	<div>104956</div> <div></div> <div>IBC 1000 L</div>	<div>100760</div> <div></div> <div>BULK</div>
		APPLICATION		ADVANTAGES		
		Quenching of parts of complex geometry, made of semi-hard carbon steel, hard carbon steel, low to medium alloyed, and martensitic stainless steel.		<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>		
RANGE		VISCOSITY @ 40°C (CST)	FLASH POINT	COOLING SPEED		
		28	228	Accelerated		



HEAT TREATMENT	COLD QUENCHING	SKU NR AND PACKAGING			
		PRODUCT NAME		SKU NR AND PACKAGING	
		THERMIC TO 19 R		100764  DRUM 180 KG	
				100765  BULK	
APPLICATION		ADVANTAGES			
Quenching of parts of complex geometry, made of semi-hard carbon steel, low to medium alloyed.		<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>			
RANGE	VISCOSITY @ 40°C (CST)		FLASH POINT		COOLING SPEED
	28		218		Accelerated



HEAT TREATMENT	COLD QUENCHING	PRODUCT NAME		SKU NR AND PACKAGING	
		THERMIC TO 20 R		106824  DRUM 208 L	104959  IBC 1000 L
		APPLICATION Quenching of alloyed or non alloyed steels, hard to treat: semi-hard carbon steel and low alloyed steels.		ADVANTAGES <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>	
	RANGE	VISCOSITY @ 40°C (CST) 22	FLASH POINT 198	COOLING SPEED Very	



HEAT TREATMENT	COLD QUENCHING	SKU NR AND PACKAGING			
		PRODUCT NAME	106329	106702	106746
		THERMIC TO 26 R	 DRUM 208 L	 IBC 1000 L	 BULK
		APPLICATION Quenching of alloyed or non alloyed steels, semi hard or hard to treat with complex geometry.	ADVANTAGES <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 allowing reduced oil losses</li><li>• Reduced calefaction area</li><li>• Reduced fire risks thanks to high flash point</li></ul>		
		VISCOSITY @ 40°C (CST)	FLASH POINT	COOLING SPEED	
RANGE	25	216	Accelerated		

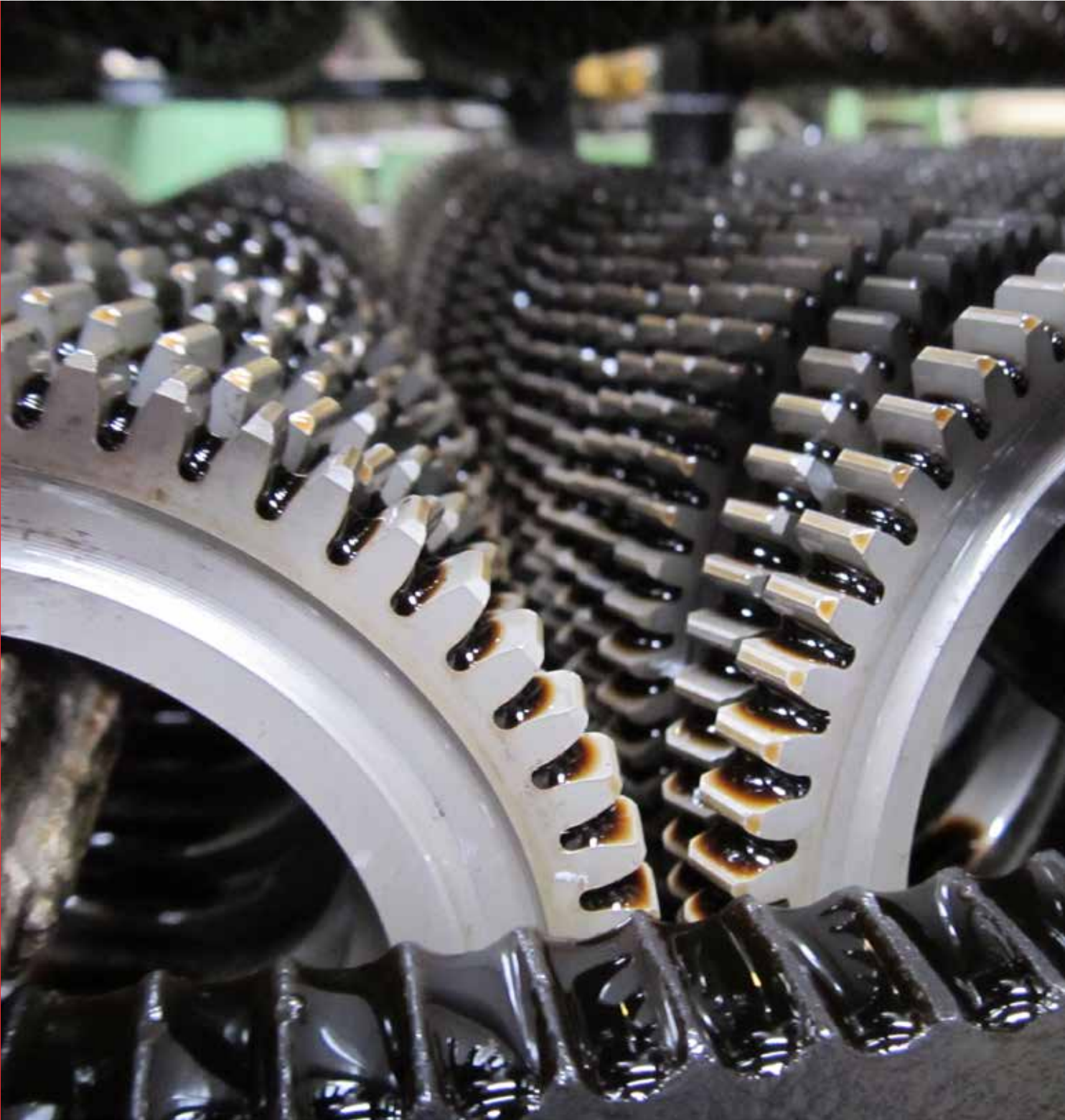
HEAT TREATMENT	SEMI HOT QUENCHING	PRODUCT NAME		SKU NR AND PACKAGING	
		THERMIC 15		100767  DRUM 180 KG	
		APPLICATION Martensitic quenching of light geometry parts made of low to medium alloyed steels for mechanic construction.		ADVANTAGES <ul style="list-style-type: none"><li>• Reduces strain and crack 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>	
		RANGE		VISCOSITY @ 40°C (CST) 45	FLASH POINT 235

HEAT TREATMENT	SEMI HOT QUENCHING	SKU NR AND PACKAGING		
		PRODUCT NAME	107298	106688
		THERMIC 30 R	 DRUM 208 L	 IBC 1000 L
		APPLICATION	ADVANTAGES	
RANGE		Quenching of steel or alloyed steels difficult to treat.	<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>	
	VISCOSITY @ 40°C (CST)	FLASH POINT	COOLING SPEED	
	27	204	Very	








HEAT TREATMENT	MASS QUENCHING	SKU NR AND PACKAGING		
		PRODUCT NAME	100776	102009
		THERMIC FGP		
			DRUM 210 KG	IBC 1022 KG
RANGE		APPLICATION	ADVANTAGES <ul style="list-style-type: none"> <li>• Avoids risk of fire and reduces smoke emissions</li> <li>• THERMIC FGP reduces manufacturing costs through:</li> <li>• Low use concentration</li> <li>• Low consumption</li> <li>• Simplified waste treatment</li> <li>• Good performance all along lifetime</li> <li>• Cleanliness of parts after quenching</li> <li>• Corrosion protection</li> <li>• Specific formulation to reduce the risk of quenching cracks</li> </ul>	
		Water extendible Synthetic fluid for mass quenching. Can be diluted between 10% to 25", according to steels shades to be treated. Recomendated bath temperature between 25°C and 45°C.		
		VISCOSITY @ 40°C (CST)		
		43		



# 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



FORMING	COLD HEADING	SKU NR AND PACKAGING			
		PRODUCT NAME	104787	106398	104771
		UNIVERSELLE 800SC	 JERRYCAN 20 L	 DRUM 208 L	 IBC 1000 L
		APPLICATION Cord forming operations: forging, threading, rolling on ferrous metals such as hard steels and stainless steels.	ADVANTAGES Free from organochlorinated additives Can be used for both cold forging and machine lubrication Lightcoloured Use only for the manufacture of ferrous metals Smooth Very high extreme pressure capacities Inert towards machine parts lubricated with oil flowing to waste Very high lubrication capacities		
RANGE	VISCOSITY @ 40°C (CST)	COPPER CORROSION	FLASHPOINT °C		
	150	4b	194		


FORMING	COLD HEADING	SKU NR AND PACKAGING			
		PRODUCT NAME	100572	100573	106185
		UNIVERSELLE 55SC	 DRUM 180 KG	 IBC 888 KG	 BULK
		APPLICATION Cord forming operations: forging, threading, rolling.	ADVANTAGES <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>• Smooth</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>		
RANGE	VISCOSITY @ 40°C (CST)	COPPER CORROSION	FLASHPOINT °C		
	55	1b	184		



FORMING	COLD HEADING	SKU NR AND PACKAGING			
		PRODUCT NAME		SKU NR AND PACKAGING	
		UNIVERSELLE 68SC		104866	
		APPLICATION		ADVANTAGES	
RANGE	COLD HEADING	Cord forming operations: forging, threading, rolling and machine tool lubrication .		Compatible with all kinds of metals Can be used for cold forging and machine-tool lubrication High wetting properties, ensuring even distribution of the lubricant on both the tool and machined part High oxidation stability even at high speeds	
		VISCOSITY @ 40°C (CST)		COPPER CORROSION	
		68		1b	
				FLASHPOINT °C	
				214	





FORMING	COLD HEADING	SKU NR AND PACKAGING		
		PRODUCT NAME	104875	104609
		<b>UNIVERSELLE 90SC</b>	 DRUM 208 L	 IBC 1000 L
		APPLICATION Cord forming operations: forging, threading, rolling and machine tool lubrication.	ADVANTAGES Compatible with all kinds of metals Can be used for cold forging and machinetool lubrication Highly wettable, ensuring even distribution of the lubricant on both the tool and machined part Low viscosity High oxidation stability even at high speeds	
RANGE		VISCOSITY @ 40°C (CST)	COPPER CORROSION	FLASHPOINT °C
		90	1a	222


FORMING	COLD HEADING	SKU NR AND PACKAGING		
		PRODUCT NAME	100575	106189
		<b>UNIVERSELLE 150SC</b>	 IBC 890 KG	 BULK
		APPLICATION Lubrication of cold forming machines tools.	ADVANTAGES Compatible with all metals Smooth High tolerance in extreme pressure Highly lubricant Accidental leakage of Universelle 150 SC into the cold heading circuit does not affect the properties of the heading fluid	
RANGE		VISCOSITY @ 40°C (CST)	COPPER CORROSION	FLASHPOINT °C
		150	1a	210




FORMING	COLD HEADING	SKU NR AND PACKAGING		
		PRODUCT NAME	104602	
		<b>CENTER OIL FZ-4001E</b>	 DRUM 208 L	
		APPLICATION Cold forging and stamping on steel, carbon steel, alloyed steel and stainless steel	ADVANTAGES • Non chlorinated • Extended tool life • Can be used for Stainless steel stretching • Better parts finishing	
RANGE		VISCOSITY @ 40°C (CST)	COPPER CORROSION	FLASHPOINT °C
		136	1a	204

FORMING	COLD HEADING	SKU NR AND PACKAGING		
		PRODUCT NAME	105801	105910
		<b>CENTER OIL FZ-8209E</b>	 DRUM 208 L	 IBC 1000 L
		APPLICATION Extreme Pressure oil for thick metal sheets (>6mm) stamping and cutting	ADVANTAGES • Non chlorinated • Extended tool life for punches and dies • Excellent performance for plate forming and bending • Better parts finishing • For ferrous parts only	
RANGE		VISCOSITY @ 40°C (CST)	COPPER CORROSION	FLASHPOINT °C
		387	4c	192



FORMING	COLD HEADING	PRODUCT NAME		SKU NR AND PACKAGING	
		<b>CENTER OIL FZ-8081E</b>		106508	
				 <div>DRUM 208 L</div>	
	APPLICATION Extreme Pressure oil for thin metal sheets (around 3 mm) stamping and cutting		ADVANTAGES <ul style="list-style-type: none"><li>• Non chlorinated</li><li>• For difficult forming operations</li><li>• Extended tool life due to EP and lubricating properties</li><li>• Recommended for vertical presses and transfer machines</li><li>• Better parts finishing</li></ul>		
	RANGE	VISCOSITY @ 40°C (CST) 23		COPPER CORROSION 1a	



FORMING	STAMPING & BLANKING	SKU NR AND PACKAGING			
		PRODUCT NAME		104372	100816
		ELECTRIC 40A		 CAN 20 L	 DRUM 180 KG
		APPLICATION		ADVANTAGES	
		Fine blanking of electric appliances parts		<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>	
RANGE	VISCOSITY @ 40°C (CST)		COPPER CORROSION		FLASHPOINT °C
	45		1a		216


FORMING	VANISHING OILS	SKU NR AND PACKAGING		
		PRODUCT NAME		104874
		CADREX V877		 DRUM 200 L
	APPLICATION		ADVANTAGES	
	Forming of thin metal sheets (<1mm)		<ul style="list-style-type: none"><li>• Special additives for thin metal sheets forming and cutting</li><li>• Multipurpose and versatile due to its fluidity</li><li>• Removal of degreasing step after processing</li></ul>	
RANGE	VISCOSITY @ 40°C (CST)	COPPER CORROSION	FLASHPOINT °C	
	1.5	1a	74	



FORMING	VANISHING OILS	SKU NR AND PACKAGING				
		PRODUCT NAME		104714	104715	105871
		CADREX EV1100		 CAN 25 L	 DRUM 200 L	 IBC 1000 L
		APPLICATION Low severity Forming on aluminium		ADVANTAGES <ul style="list-style-type: none"><li>• Odourless</li><li>• Good wettability</li><li>• High evaporation rate</li><li>• No residues and is thermo degradable</li><li>• Low surface tension</li><li>• Applied with low pressure spraying, roller, impregnation by dipping</li></ul>		
		RANGE		VISCOSITY @ 40°C (CST)		COPPER CORROSION
		1.8		1a	62	






FORMING	VANISHING OILS	SKU NR AND PACKAGING		
		PRODUCT NAME	104716	107358
		<b>CADREX EV1400</b>	 CAN 25 L	 DRUM 200 L
RANGE		APPLICATION Forming of steel and non ferrous metals sheets of medium thickness Embossing on max 3mm height	ADVANTAGES • Odourless • Good wettability • High evaporation rate • No residues and is thermo degradable • Low surface tension • Applied with low pressure spraying, roller, impregnation by dipping	
		VISCOSITY @ 40°C (CST) 1.9	COPPER CORROSION 1a	FLASHPOINT °C 64


FORMING	VANISHING OILS	SKU NR AND PACKAGING		
		PRODUCT NAME	105676	105855
		<b>CADREX EV4012</b>	 CAN 25 L	 DRUM 200 L
RANGE		APPLICATION Non VOC forming oil , similar to Cadrex EV1400	ADVANTAGES • Desodorised product • High evaporation rate • Dry content without wax • Low surface tension • Use: low pressure spraying, roller, impregnation by dipping	
		VISCOSITY @ 40°C (CST) 2.6	COPPER CORROSION 1a	FLASHPOINT °C 105

FORMING	VANISHING OILS	SKU NR AND PACKAGING		
		PRODUCT NAME	105733	
		<b>CADREX EV1600</b>	 CAN 25 L	
RANGE		APPLICATION All thick metals forming	ADVANTAGES • Desodorised product • High evaporation rate • Dry content without wax • Low surface tension • Use: low pressure spraying, roller, impregnation by dipping	
		VISCOSITY @ 40°C (CST) 1.5	COPPER CORROSION 1a	FLASHPOINT °C 62

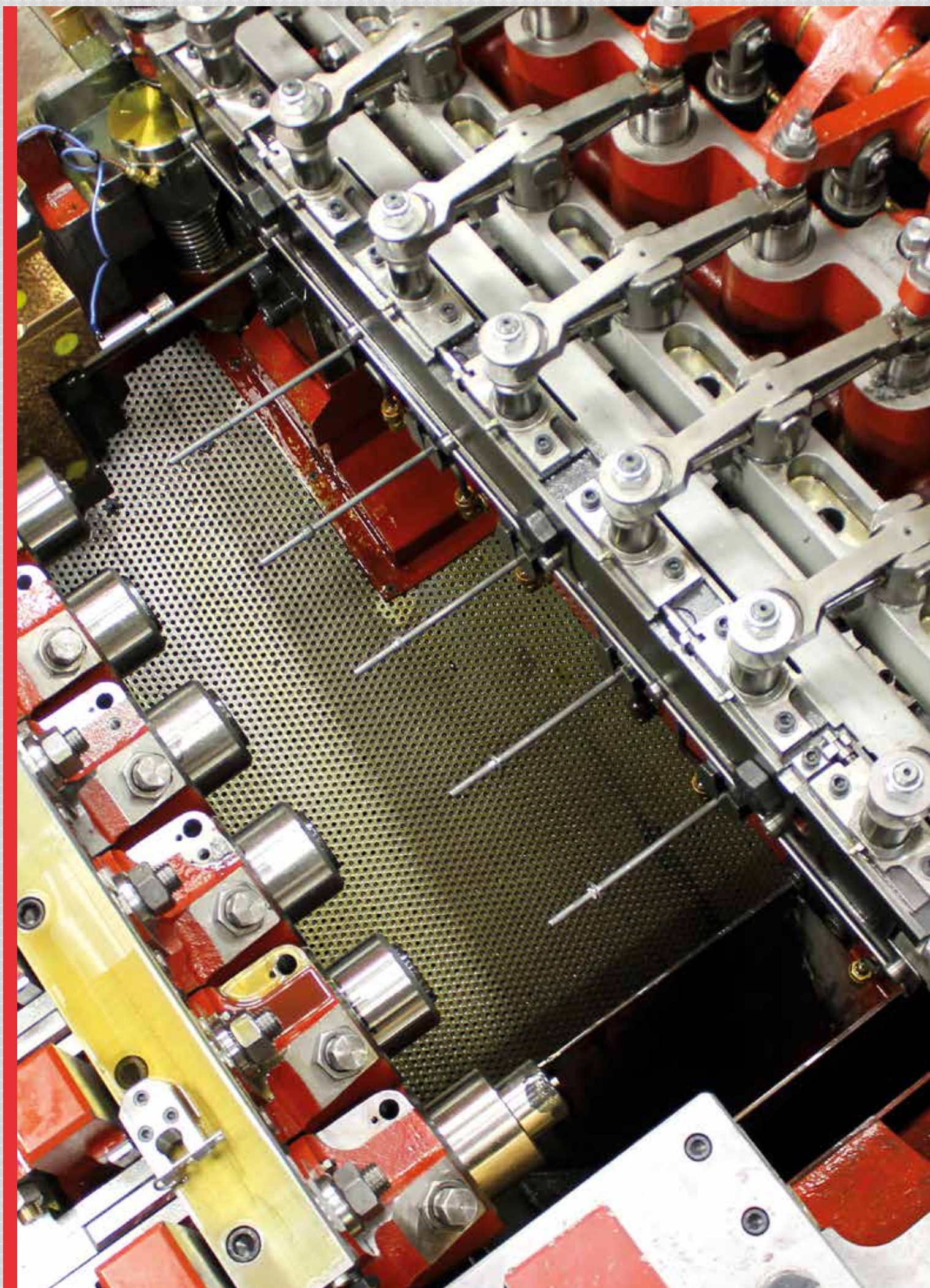
FORMING	NEAT & SOLUBLE FORMING OILS	SKU NR AND PACKAGING		
		PRODUCT NAME	104373	107345
		<b>CADREX DR40 SC</b>	 CAN 20 L	 DRUM 208 L
RANGE		APPLICATION Low severity embossing, bending, blanking and forming operations on all metals	ADVANTAGES • Non chlorinated product • No yellowing under HPRL lightning • 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	
		VISCOSITY @ 40°C (CST) 40	COPPER CORROSION 1a	FLASHPOINT °C 158

FORMING	NEAT & SOLUBLE FORMING OILS	SKU NR AND PACKAGING		
		PRODUCT NAME	106980  DRUM 208 L	
		APPLICATION Severe embossing, bending, forming and blanking operations on all metals	ADVANTAGES <ul style="list-style-type: none"> <li>• Non chlorinated product</li> <li>• Approved by Renault, Cadrex DR100 SC can be proposed to every automotive sub contractor</li> </ul>	
RANGE		VISCOSITY @ 40°C (CST)	COPPER CORROSION	FLASHPOINT °C
		100	1a	200

FORMING	NEAT & SOLUBLE FORMING OILS	SKU NR AND PACKAGING		
		PRODUCT NAME	104369  CAN 20 L	106952  DRUM 208 L
		APPLICATION Low severity embossing, bending, forming and blanking operations on all metals	ADVANTAGES <ul style="list-style-type: none"> <li>• Non chlorinated product</li> <li>• No yellowing under HPRL lightning</li> <li>• Approved by Renault, Cadrex DR220 SC can be proposed to every automotive sub contractor</li> </ul>	
RANGE		VISCOSITY @ 40°C (CST)	COPPER CORROSION	FLASHPOINT °C
		220	1a	220

FORMING	NEAT & SOLUBLE FORMING OILS	SKU NR AND PACKAGING		
		PRODUCT NAME	106088  DRUM 208 L	
		APPLICATION Water extendible fluid for medium to heavy duty forming operations on hard metals such as stainless steel	ADVANTAGES <ul style="list-style-type: none"> <li>• Very high lubrication properties</li> <li>• Very high extreme pressure capacities</li> <li>• Low foaming</li> <li>• Excellent Biostability</li> </ul>	
RANGE		VISCOSITY @ 40°C (CST)	COPPER CORROSION	FLASHPOINT °C
		100	1a	208







# 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. Those products perfectly complement the rest of the Metal Process range and product the final step in the production process.

Cleaning and protection are key conditions for the quality of the delivered parts. Using efficient, safe and guaranteed products from a major manufacturer is therefore essential for performance and safety in a workshop on a daily basis.

Additionally, the choice of an customise product is essential since it is carried out 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.



## 35-36 CLEANERS




## 37-38 RUST PREVENTATIVES








# CLEANERS


Usefull and commonplace 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 a range of solutions that cover most of the needs of industrialists, in full conformity with the legislation in force.


CLEANERS	SKU NR AND PACKAGING			
	PRODUCT NAME	104542	106130	
	<b>SAFCO KLEEN 21</b>	 CAN 25 L	 DRUM 200 L	
	APPLICATION Metallic parts cleaning	ADVANTAGES • Fast evaporating • Difficult cleaning		
	SOLVING POWER (KB INDEX) 85	FLASH POINT 22°C	EVAPORATING RATE 10 min	COOPER CORROSION 1A



CLEANERS	SKU NR AND PACKAGING			
	PRODUCT NAME	104539	106137	100848
	<b>SAFCO KLEEN 53</b>	 CAN 25 L	 DRUM 200 L	 IBC 1000 L
	APPLICATION Metallic parts cleaning in food processing environment	ADVANTAGES • NSF approval		
	SOLVING POWER (KB INDEX) 50	FLASH POINT 33°C	EVAPORATING RATE 6 min	COOPER CORROSION 1A

CLEANERS	SKU NR AND PACKAGING			
	PRODUCT NAME	104539	106137	100848
	<b>SAFCO KLEEN 60</b>	 CAN 25 L	 DRUM 200 L	 IBC 1000 L
	APPLICATION Cleaning of mechanical parts, metal or plastic	ADVANTAGES • High flash point • Compatible with plastics		
	SOLVING POWER (KB INDEX) 33	FLASH POINT 56°C	EVAPORATING RATE 42 min	COOPER CORROSION 1A

CLEANERS	SKU NR AND PACKAGING		
	PRODUCT NAME	104541	100844
	<b>SAFCO KLEEN 92</b>	 CAN 25 L	 DRUM 200 L
	APPLICATION Metallic parts cleaning in safety restrictive areas	ADVANTAGES • Product without flashpoint • Good evaporation	
	SOLVING POWER (KB INDEX) 115	FLASH POINT NA	EVAPORATING RATE 15 min
			COOPER CORROSION 1A

CLEANERS	SKU NR AND PACKAGING		
	PRODUCT NAME	102521	
	<b>SAFCO KLEEN VF150</b>	 DRUM 200 L	
	APPLICATION Degreasing fountain fluid	ADVANTAGES • Good degreasing power • No VOC • NSF approval	
	SOLVING POWER (KB INDEX) 50	FLASH POINT 103°C	EVAPORATING RATE
			COOPER CORROSION 1A

CLEANING & PROTECTION	SKU NR AND PACKAGING		
	PRODUCT NAME	103126	
	<b>SAFCO KLEEN VF200</b>	 DRUM 200 L	
	APPLICATION Metallic parts cleaning	ADVANTAGES • Powerfull • Vegetable ester based • No VOC	
	SOLVING POWER (KB INDEX) >100	FLASH POINT >170°C	EVAPORATING RATE don't evaporate
			COOPER CORROSION 1A



CLEANING & PROTECTION	SKU NR AND PACKAGING		
	PRODUCT NAME	106974	103125
	<b>SAFCO KLEEN VF 250</b>	 CAN 25 L	 DRUM 200 L
	APPLICATION Metallic parts cleaning	ADVANTAGES • Powerfull • Vegetable ester based • No VOC • Water extendible	
	SOLVING POWER (KB INDEX) >100	FLASH POINT >170°C	EVAPORATING RATE don't evaporate
			COOPER CORROSION 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.

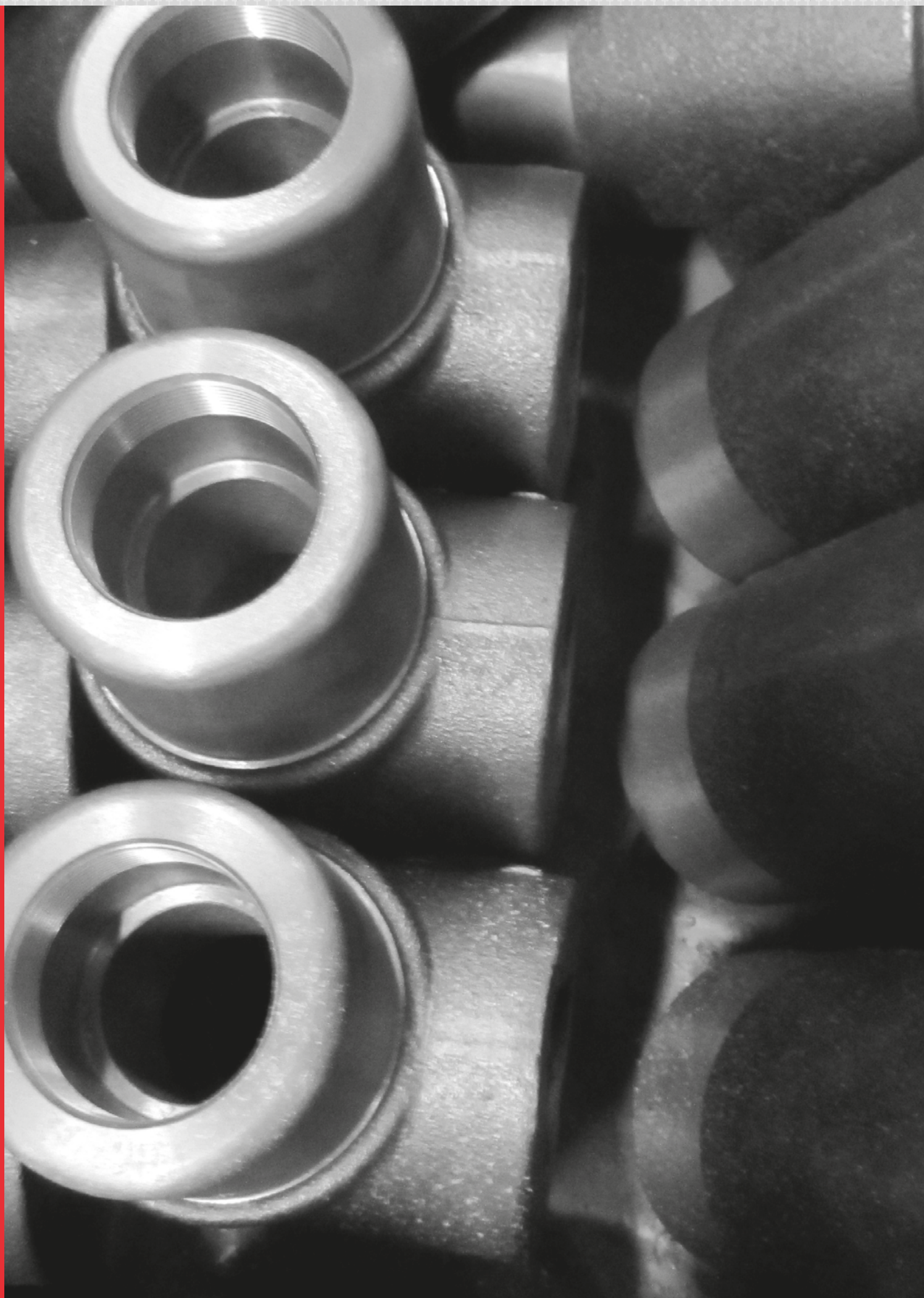
RUST PREVENTATIVES	SOLVENT BASE	SKU NR AND PACKAGING		
		PRODUCT NAME	105806	105807
		<b>MT SOLV PROTECT</b>	 JERRYCAN 20 L	 DRUM 200 L
		<b>APPLICATION</b> Interoperation, short term protection, water repellent 3 months indoor	<b>ADVANTAGES</b> <ul style="list-style-type: none"><li>• Interoperation protection</li><li>• Imperceptible protective film</li></ul>	
TYPE		FILM THICKNESS	FLASHPOINT °C	EVAPORATION SPEED
		0,5 µm	>70 °C	Fast

RUST PREVENTATIVES	OIL BASE	SKU NR AND PACKAGING		
		PRODUCT NAME	105573	105574
		<b>MT OIL PROTECT</b>	 JERRYCAN 20 L	 DRUM 200 L
		<b>APPLICATION</b> Medium term protection, water repellent 12 months indoor 3 months outdoor under shelter	<b>ADVANTAGES</b> <ul style="list-style-type: none"><li>• Temporary storage protection</li><li>• Thin film protection easily removable</li></ul>	
TYPE		FILM THICKNESS	FLASHPOINT °C	EVAPORATION SPEED
		7 µm	>204 °C	Moderate

RUST PREVENTATIVES	WAX IN SOLVENT	SKU NR AND PACKAGING		
		PRODUCT NAME	105798	105799
		<b>MT STORE PROTECT</b>	 JERRYCAN 20 L	 DRUM 200 L
		<b>APPLICATION</b> Medium to long term protection, water repellent 18 months indoor 3 months outdoor under shelter	<b>ADVANTAGES</b> <ul style="list-style-type: none"><li>• Protection for storage and transportation</li><li>• Long term</li></ul>	
TYPE		FILM THICKNESS	FLASHPOINT °C	EVAPORATION SPEED
		2 µm	>114 °C	Moderate

RUST PREVENTATIVES	WAX IN SOLVENT	PRODUCT NAME		105805	105804	107166
		MT SHIP PROTECT				
				JERRYCAN 20 L	DRUM 200 L	IBC 1000 L
	TYPE	APPLICATION		ADVANTAGES		
Long term protection, water repellent 24 months indoor 12 months outdoor under shelter		<ul style="list-style-type: none"><li>• Protection for storage and sea shipping</li><li>• Long term</li></ul>				
	FILM THICKNESS		FLASHPOINT °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.

**42 GENERAL LUBRICATION**

**68 FOOD GRADE LUBRICANTS**

**74 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. That 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.

## **43-49** HYDRAULIC

### **50** MULTIFUNCTIONAL OILS

### **51-55** GEAR OILS / GEAR GREASES

### **56-57** SLIDEWAY OILS / SLIDEWAY GREASE

### **58** SPINDLE OILS

### **59** CHAIN OILS

### **60-62** GREASES & PASTES



### **63-65** COMPRESSOR OILS

### **66-67** 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.





HYDRAULIC	MULTIFUNCTIONAL	PRODUCT NAME			SKU NR AND PACKAGING	
		RUBRIC SAE 10W			104852	104806
						
	APPLICATION Suitable for hydraulic systems where an oil according to SAE specifications is recommended by the manufacturer			ADVANTAGES		
RANGE	VISCOSITY @ 40°C (CST)	VISCOSITY @ 100°C (CST)	VI	BASE OIL	POUR POINT °C	FLASHPOINT °C
	30	5.2	103	Mineral	-36	226
				JERRYCAN 20 L	DRUM 208 L	





HYDRAULIC	HH - HL	PRODUCT NAME		SKU NR AND PACKAGING	
		RUBRIC AW 22		104628	100434
	APPLICATION		ADVANTAGES		
	RANGE		RUBRIC AW 22 can also be used for pneumatic lubricators.		RUBRIC AW 22 can also be used for pneumatic lubricators.
VISCOSITY @ 40°C (CST)		VISCOSITY @ 100°C (CST)		VI	
22		4.3		100	
BASE OIL		POUR POINT °C		FLASHPOINT °C	
Mineral		-33		206	

HYDRAULIC	HH - HL	PRODUCT NAME			SKU NR AND PACKAGING		
		RUBRIC B 46			100438		
	APPLICATION			ADVANTAGES			
	Anti-corrosive and anti-oxidative hydraulic and circulating oil which meets the following standards: <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> RUBRIC AW 22 can also be used for pneumatic lubricators.			<ul style="list-style-type: none"><li>• Excellent oxidation resistance</li><li>• Excellent corrosion protection</li><li>• Good hydrolysis stability</li><li>• Excellent desemulsion</li><li>• Excellent thermal stability</li></ul>			
RANGE	VISCOSITY @ 40°C (CST)	VISCOSITY @ 100°C (CST)	VI	BASE OIL	POUR POINT °C	FLASHPOINT °C	
	46	6.8	102	Mineral	-27	242	





HYDRAULIC	HH - HL	SKU NR AND PACKAGING				
		104629		100483	107162	
	PRODUCT NAME					
	RUBRIC EE 150		JERRYCAN 20 L	DRUM 180 KG	IBC 1000 L	
RANGE	APPLICATION		ADVANTAGES			
	Anti-corrosive and anti-oxidative hydraulic and circulating oil which meets the following standards: <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> RUBRIC AW 22 can also be used for pneumatic lubricators.		<ul style="list-style-type: none"><li>• Excellent oxidation resistance</li><li>• Excellent corrosion protection</li><li>• Good hydrolysis stability</li><li>• Excellent desemulsion</li><li>• Excellent thermal stability</li></ul>			
	VISCOSITY @ 40°C (CST)	VISCOSITY @ 100°C (CST)	VI	BASE OIL	POUR POINT °C	FLASHPOINT °C
	150	14.8	98	Mineral	-18	272





HYDRAULIC	HH - HL	PRODUCT NAME		SKU NR AND PACKAGING		
		RUBRIC FF 220		100484		
		APPLICATION		ADVANTAGES		
		RANGE				
		Anti-corrosive and anti-oxidative hydraulic and circulating oil which meets the following standards: <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> RUBRIC AW 22 can also be used for pneumatic lubricators.		   <		



HYDRAULIC	HM - HLP	SKU NR AND PACKAGING				
		PRODUCT NAME	104315	104270	101765	101766
		RUBRIC HM 32	 JERRYCAN 20 L	 DRUM 208 L	 IBC 1000 L	 BULK
		APPLICATION	ADVANTAGES			
Antiwear, anti-corrosion and anti-oxydation, high performance hydraulic oil suitable for the lubrication of hydraulic systems working under severe conditions. Meets the following standards:		<ul style="list-style-type: none"><li>• Excellent anti-wear quality</li><li>• Excellent resistance to oxidation</li><li>• Excellent protection against corrosion</li><li>• Good hydrolysis stability</li><li>• Excellent desemulsification</li><li>• Excellent thermal stability</li><li>• Excellent filterability</li></ul>				
RANGE	VISCOSITY @ 40°C (CST)	VISCOSITY @ 100°C (CST)	VI	BASE OIL	POUR POINT °C	FLASHPOINT °C
	32	5.4	105	Mineral	-27	226




HYDRAULIC	HM - HLP	PRODUCT NAME		SKU NR AND PACKAGING								
		RUBRIC HM 46		104318	104273	101770	101771					
				JERRYCAN 20 L		DRUM 208 L		IBC 1000 L		BULK		
	APPLICATION		ADVANTAGES									
Antiwear, anti-corrosion and anti-oxydation, high performance hydraulic oil suitable for the lubrication of hydraulic systems working under severe conditions. Meets the following standards:		<ul style="list-style-type: none"><li>• Excellent anti-wear quality</li><li>• Excellent resistance to oxidation</li><li>• Excellent protection against corrosion</li><li>• Good hydrolysis stability</li><li>• Excellent desemulsification</li><li>• Excellent thermal stability</li><li>• Excellent filterability</li></ul>										
• DENISON HF-O		• DIN 51524 part 2, HLP										
• ISO 11158 categories HM		• NF E 48603 HM										
• ISO 6743-4 categories HM												
RANGE	VISCOSITY @ 40°C (CST)		VISCOSITY @ 100°C (CST)		VI		BASE OIL		POUR POINT °C		FLASHPOINT °C	
	46		6.9		100		Mineral		-27		232	







HYDRAULIC		SKU NR AND PACKAGING					
		104319	104272	101776	101777		
HYDRAULIC	HM - HLP	<b>PRODUCT NAME</b>  <b>RUBRIC HM 68</b>		 JERRYCAN 20 L	 DRUM 208 L	 IBC 1000 L	 BULK
		<b>APPLICATION</b> Antiwear, anti-corrosion and anti-oxydation, high performance hydraulic oil suitable for the lubrication of hydraulic systems working under severe conditions. Meets the following standards: • DENISON HF-O • ISO 11158 categories HM • ISO 6743-4 categories HM		<b>ADVANTAGES</b> <ul style="list-style-type: none"> <li>• Excellent anti-wear quality</li> <li>• Excellent resistance to oxidation</li> <li>• Excellent protection against corrosion</li> <li>• Good hydrolysis stability</li> <li>• Excellent demulsification</li> <li>• Excellent thermal stability</li> <li>• Excellent filterability</li> </ul>			
	RANGE	<b>VISCOSITY @ 40°C (CST)</b> 68	<b>VISCOSITY @ 100°C (CST)</b> 8.6	<b>VI</b> 97	<b>BASE OIL</b> Mineral	<b>POUR POINT °C</b> -21	<b>FLASHPOINT °C</b> 258



HYDRAULIC		SKU NR AND PACKAGING					
		104315	104270	101765	101766		
HYDRAULIC	HM - HLP	<b>PRODUCT NAME</b>  <b>RUBRIC HM 100</b>		 JERRYCAN 20 L	 DRUM 208 L	 IBC 1000 L	 BULK
		<b>APPLICATION</b> Antiwear, anti-corrosion and anti-oxydation, high performance hydraulic oil suitable for the lubrication of hydraulic systems working under severe conditions. Meets the following standards: • DENISON HF-O • ISO 11158 categories HM • ISO 6743-4 categories HM		<b>ADVANTAGES</b> <ul style="list-style-type: none"> <li>• Excellent anti-wear quality</li> <li>• Excellent resistance to oxidation</li> <li>• Excellent protection against corrosion</li> <li>• Good hydrolysis stability</li> <li>• Excellent demulsification</li> <li>• Excellent thermal stability</li> <li>• Excellent filterability</li> </ul>			
	RANGE	<b>VISCOSITY @ 40°C (CST)</b> 100	<b>VISCOSITY @ 100°C (CST)</b> 11	<b>VI</b> 100	<b>BASE OIL</b> Mineral	<b>POUR POINT °C</b> -21	<b>FLASHPOINT °C</b> 272



HYDRAULIC	HM - HLPD	PRODUCT NAME		SKU NR AND PACKAGING			
		RUBRIC HLPD 32		107307	107308		
							
	APPLICATION		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. • DIN 51524 part 2 (HLP) • DBL 6721		• Very good anti-wear characteristics • Excellent oxidation resistance • Excellent protection against corrosion • Very good cleaning and dispersing power • Zinc-free • Excellent thermal stability • Excellent filterability					
RANGE		VISCOSITY @ 40°C (CST)	VISCOSITY @ 100°C (CST)	VI	BASE OIL	POUR POINT °C	FLASHPOINT °C
		32	5.6	114	Mineral	-12	224

HYDRAULIC		SKU NR AND PACKAGING					
		107309	107310	107333			
HYDRAULIC	HM - HLPD	<b>PRODUCT NAME</b>  <b>RUBRIC HLPD 46</b>		 JERRYCAN 20 L	 DRUM 208 L	 IBC 1000 L	
		<b>APPLICATION</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. • DIN 51524 part 2 (HLP) • DBL 6721		<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>			
	RANGE	<b>VISCOSITY @ 40°C (CST)</b> 46	<b>VISCOSITY @ 100°C (CST)</b> 6.9	<b>VI</b> 106	<b>BASE OIL</b> Mineral	<b>POUR POINT °C</b> -21	<b>FLASHPOINT °C</b> 234


HYDRAULIC	HM - HLPD	SKU NR AND PACKAGING				
		PRODUCT NAME	107311	107312		
		<b>RUBRIC HLPD 68</b>		JERRYCAN 20 L		DRUM 208 L
RANGE		APPLICATION	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. • DIN 51524 part 2 (HLP) • DBL 6721	<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>			
		VISCOSITY @ 40°C (CST)	VISCOSITY @ 100°C (CST)	VI	BASE OIL	FLASHPOINT °C
		68	9.3	113	Mineral	-18



HYDRAULIC	HM ZINC-FREE	SKU NR AND PACKAGING				
		PRODUCT NAME	104281	100460		
		<b>RUBRIC LX 32</b>		JERRYCAN 20 L		DRUM 208 L
RANGE		APPLICATION	ADVANTAGES			
		Ashless (zinc-free) high performance hydraulic oil suitable for the lubrication of hydraulic systems working under severe conditions. Meets the following standards: • DENISON HF-O • ISO 11158 categories HM • ISO 6743-4 categories HM	<ul style="list-style-type: none"> <li>• Excellent anti-wear properties</li> <li>• Excellent oxidation resistance</li> <li>• Excellent corrosion protection</li> <li>• Good hydrolysis stability</li> <li>• Excellent demulsion</li> <li>• Excellent thermal stability</li> <li>• Excellent filterability</li> </ul>			
		VISCOSITY @ 40°C (CST)	VISCOSITY @ 100°C (CST)	VI	BASE OIL	FLASHPOINT °C
		32	5.4	103	Mineral	-24




HYDRAULIC	HM ZINC-FREE	SKU NR AND PACKAGING				
		PRODUCT NAME	104280	107801	101791	
		<b>RUBRIC LX 46</b>		JERRYCAN 20 L		DRUM 208 L
RANGE		APPLICATION	ADVANTAGES			
		Ashless (zinc-free) high performance hydraulic oil suitable for the lubrication of hydraulic systems working under severe conditions. Meets the following standards: • DENISON HF-O • ISO 11158 categories HM • ISO 6743-4 categories HM	<ul style="list-style-type: none"> <li>• Excellent anti-wear properties</li> <li>• Excellent oxidation resistance</li> <li>• Excellent corrosion protection</li> <li>• Good hydrolysis stability</li> <li>• Excellent demulsion</li> <li>• Excellent thermal stability</li> <li>• Excellent filterability</li> </ul>			
		VISCOSITY @ 40°C (CST)	VISCOSITY @ 100°C (CST)	VI	BASE OIL	FLASHPOINT °C
		46	6.7	96	Mineral	-21



HYDRAULIC	HM ZINC-FREE	SKU NR AND PACKAGING				
		PRODUCT NAME	104276	107802	101793	
		<b>RUBRIC LX 68</b>		JERRYCAN 20 L		DRUM 208 L
RANGE		APPLICATION	ADVANTAGES			
		Ashless (zinc-free) high performance hydraulic oil suitable for the lubrication of hydraulic systems working under severe conditions. Meets the following standards: • DENISON HF-O • ISO 11158 categories HM • ISO 6743-4 categories HM	<ul style="list-style-type: none"> <li>• Excellent anti-wear properties</li> <li>• Excellent oxidation resistance</li> <li>• Excellent corrosion protection</li> <li>• Good hydrolysis stability</li> <li>• Excellent demulsion</li> <li>• Excellent thermal stability</li> <li>• Excellent filterability</li> </ul>			
		VISCOSITY @ 40°C (CST)	VISCOSITY @ 100°C (CST)	VI	BASE OIL	FLASHPOINT °C
		68	8.6	98	Mineral	-18









HYDRAULIC	HM CLEAN TECHNOLOGY	SKU NR AND PACKAGING			
		PRODUCT NAME		104566	
		<b>RUBRIC R-CLEAN</b>			
RANGE		<b>APPLICATION</b> Specially formulated 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. RUBRIC-R CLEAN is the first part of a Hydraulic Clean Package that consists of the cleaner RUBRIC R-CLEAN and RUBRIC CLEAN hydraulic oils.		<b>ADVANTAGES</b> <ul style="list-style-type: none"> <li>• Helps remove varnish build-up and sludge</li> <li>• Significantly reduces equipment downtime when compared to manual cleaning</li> <li>• Compatible with mineral based lubricants</li> <li>• Helps eliminate valve sticking due to varnish</li> <li>• Helps reduce health and safety concerns in comparison to solvent based cleaners</li> <li>• Compatible with all common seal materials</li> </ul>	
		<b>BASE OIL</b> <i>Mineral</i>		JERRYCAN 5 L	




HYDRAULIC	HM CLEAN TECHNOLOGY	SKU NR AND PACKAGING					
		PRODUCT NAME			106747		106748
		<b>RUBRIC CLEAN HM 32</b>					
RANGE		<b>APPLICATION</b> Premium anti-wear hydraulic oil specifically designed to prevent varnish from depositing on internal system components in hydraulic systems. RUBRIC CLEAN HM is the second part of a Hydraulic Clean Package that consists of the cleaner RUBRIC R-CLEAN and RUBRIC CLEAN hydraulic oils. RUBRIC CLEAN HM meets the following standards: <ul style="list-style-type: none"> <li>• Parker Denison HF-O</li> <li>• MAG IAS (ex Cincinnati Machine) P-68, P70, P69</li> <li>• DIN 51524 part 1, 2</li> <li>• Eaton Brochure 03-401-2010</li> </ul>			<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>• Provides excellent wear protection</li> <li>• Excellent oxidation and thermal stability</li> <li>• Protects metal surfaces from rust and corrosion</li> <li>• Excellent filtration properties</li> <li>• Maintains cycle times with clean equipment</li> <li>• Enables hydraulic systems to operate to their designed specification</li> </ul>		
		VISCOSITY @ 40°C (CST)	VISCOSITY @ 100°C (CST)	VI	BASE OIL	POUR POINT °C	FLASHPOINT °C
		32	5.7	114	<i>Mineral</i>	-39	214




HYDRAULIC	HM CLEAN TECHNOLOGY	SKU NR AND PACKAGING					
		PRODUCT NAME			104484		104485 107163
		<b>RUBRIC CLEAN HM 46</b>					 
RANGE		<b>APPLICATION</b> Premium anti-wear hydraulic oil specifically designed to prevent varnish from depositing on internal system components in hydraulic systems. RUBRIC CLEAN HM is the second part of a Hydraulic Clean Package that consists of the cleaner RUBRIC R-CLEAN and RUBRIC CLEAN hydraulic oils. RUBRIC CLEAN HM meets the following standards: <ul style="list-style-type: none"> <li>• Parker Denison HF-O</li> <li>• MAG IAS (ex Cincinnati Machine) P-68, P70, P69</li> <li>• DIN 51524 part 1, 2</li> <li>• Eaton Brochure 03-401-2010</li> </ul>			<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>• Provides excellent wear protection</li> <li>• Excellent oxidation and thermal stability</li> <li>• Protects metal surfaces from rust and corrosion</li> <li>• Excellent filtration properties</li> <li>• Maintains cycle times with clean equipment</li> <li>• Enables hydraulic systems to operate to their designed specification</li> </ul>		
		VISCOSITY @ 40°C (CST)	VISCOSITY @ 100°C (CST)	VI	BASE OIL	POUR POINT °C	FLASHPOINT °C
		45	7.1	116	<i>Mineral</i>	-36	224

HYDRAULIC	HM CLEAN TECHNOLOGY	SKU NR AND PACKAGING					
		PRODUCT NAME			107017		107018
		<b>RUBRIC CLEAN HM 68</b>					
RANGE		<b>APPLICATION</b> Premium anti-wear hydraulic oil specifically designed to prevent varnish from depositing on internal system components in hydraulic systems. RUBRIC CLEAN HM is the second part of a Hydraulic Clean Package that consists of the cleaner RUBRIC R-CLEAN and RUBRIC CLEAN hydraulic oils. RUBRIC CLEAN HM meets the following standards: <ul style="list-style-type: none"> <li>• Parker Denison HF-O</li> <li>• MAG IAS (ex Cincinnati Machine) P-68, P70, P69</li> <li>• DIN 51524 part 1, 2</li> <li>• Eaton Brochure 03-401-2010</li> </ul>			<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>• Provides excellent wear protection</li> <li>• Excellent oxidation and thermal stability</li> <li>• Protects metal surfaces from rust and corrosion</li> <li>• Excellent filtration properties</li> <li>• Maintains cycle times with clean equipment</li> <li>• Enables hydraulic systems to operate to their designed specification</li> </ul>		
		VISCOSITY @ 40°C (CST)	VISCOSITY @ 100°C (CST)	VI	BASE OIL	POUR POINT °C	FLASHPOINT °C
		70	9.3	110	<i>Mineral</i>	-34	238




HYDRAULIC	HV	PRODUCT NAME		SKU NR AND PACKAGING			
		RUBRIC HV 22		104286	101784		
							
			JERRYCAN 20 L	DRUM 208 L			
	APPLICATION		ADVANTAGES				
High viscosity index, antiwear, anti-corrosion and anti-oxydation, high performance hydraulic oil suitable for the lubrication of hydraulic systems working under severe conditions and at low and high temperature. Meets the following standards: <ul style="list-style-type: none"><li>• DENISON HF-O</li><li>• ISO 11158 categories HV</li><li>• ISO 6743-4 categories HV</li></ul>		<ul style="list-style-type: none"><li>• Excellent anti-wear properties</li><li>• Excellent oxidation resistance</li><li>• Excellent corrosion protection</li><li>• Good hydrolysis stability</li><li>• Excellent desemulsion</li></ul>					
		<ul style="list-style-type: none"><li>• Excellent thermal stability</li><li>• Excellent filterability</li><li>• High viscosity index</li><li>• Very low pour point</li></ul>					
RANGE	VISCOSITY @ 40°C (CST)		VISCOSITY @ 100°C (CST)	VI	BASE OIL	POUR POINT °C	FLASHPOINT °C
	22		4.7	140	Mineral	-45	204


HYDRAULIC	HV	PRODUCT NAME		SKU NR AND PACKAGING		101786		101787		101789		
		RUBRIC HV 32			JERRYCAN 20 L		DRUM 208 L		IBC 1000 L		BULK	
	APPLICATION				ADVANTAGES							
	High viscosity index, antiwear, anti-corrosion and anti-oxydation, high performance hydraulic oil suitable for the lubrication of hydraulic systems working under severe conditions and at low and high temperature. Meets the following standards: <div><div>• DENISON HF-O</div><div>• ISO 11158 categories HV</div><div>• ISO 6743-4 categories HV</div></div> <div><div>• DIN 51524 part 3, HVLV</div><div>• NF E 48603 HV</div></div>				• Excellent anti-wear properties • Excellent oxidation resistance • Excellent corrosion protection • Good hydrolysis stability • Excellent desemulsion				• Excellent thermal stability • Excellent filterability • High viscosity index • Very low pour point			
RANGE	VISCOSITY @ 40°C (CST)		VISCOSITY @ 100°C (CST)		VI		BASE OIL		POUR POINT °C		FLASHPOINT °C	
	32		6.5		161		Mineral		-36		204	


HYDRAULIC	HV	SKU NR AND PACKAGING				
		PRODUCT NAME		104631	104632	104622
	RUBRIC HV 46		 JERRYCAN 20 L	 DRUM 208 L	 IBC 1000 L	
	APPLICATION		ADVANTAGES			
RANGE	High viscosity index, antiwear, anti-corrosion and anti-oxydation, high performance hydraulic oil suitable for the lubrication of hydraulic systems working under severe conditions and at low and high temperature. Meets the following standards: <ul style="list-style-type: none"><li>• DENISON HF-O</li><li>• ISO 11158 categories HV</li><li>• ISO 6743-4 categories HV</li></ul>		<ul style="list-style-type: none"><li>• Excellent anti-wear properties</li><li>• Excellent oxidation resistance</li><li>• Excellent corrosion protection</li><li>• Good hydrolysis stability</li><li>• Excellent desemulsion</li></ul> <ul style="list-style-type: none"><li>• Excellent thermal stability</li><li>• Excellent filterability</li><li>• High viscosity index</li><li>• Very low pour point</li></ul>			
	VISCOSITY @ 40°C (CST)	VISCOSITY @ 100°C (CST)	VI	BASE OIL	POUR POINT °C	FLASHPOINT °C
	46	8.2	155	Mineral	-36	224



HYDRAULIC	HV	PRODUCT NAME			SKU NR AND PACKAGING		
		RUBRIC HV 68			104271	101790	104417
							
	APPLICATION			ADVANTAGES			
	High viscosity index, antiwear, anti-corrosion and anti-oxidation, high performance hydraulic oil suitable for the lubrication of hydraulic systems working under severe conditions and at low and high temperature. Meets the following standards: <ul style="list-style-type: none"><li>DENISON HF-O</li><li>ISO 11158 categories HV</li><li>ISO 6743-4 categories HV</li><li>DIN 51524 part 3, HVLV</li><li>NF E 48603 HV</li></ul>			<ul style="list-style-type: none"><li>Excellent anti-wear properties</li><li>Excellent oxidation resistance</li><li>Excellent corrosion protection</li><li>Good hydrolysis stability</li><li>Excellent desemulsion</li><li>Excellent thermal stability</li><li>Excellent filterability</li><li>High viscosity index</li><li>Very low pour point</li></ul>			
RANGE	VISCOSITY @ 40°C (CST)	VISCOSITY @ 100°C (CST)	VI	BASE OIL	POUR POINT °C	FLASHPOINT °C	
	68	10.6	151	Mineral	-33	234	



HYDRAULIC	BIO	SKU NR AND PACKAGING					
		PRODUCT NAME		104418	100435	100436	
		RUBRIC BIO 46		 JERRYCAN 20 L	 DRUM 208 L	 IBC 1000 L	
	APPLICATION		ADVANTAGES				
		High performance hydraulic fluid based on synthetic esters with a high level of biodegradability (> 90% in 21 days). Recommended for all hydraulic systems. RUBRIC BIO has the European Ecolabel and the Blue Angel approval and meets the Bosch Rexroth RE 90221-01 specification.		<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 desemulsion</li><li>• High viscosity index</li></ul>			
	RANGE	VISCOSITY @ 40°C (CST)	VISCOSITY @ 100°C (CST)	VI	BASE OIL	POUR POINT °C	FLASHPOINT °C
		49.5	9.8	186	Mineral	< -30	> 310



HYDRAULIC	BIO	PRODUCT NAME		SKU NR AND PACKAGING			
		RUBRIC BIO 46 S		<div>103108</div> <div></div> <div>DRUM 208 L</div>			
	RANGE	APPLICATION		ADVANTAGES			
		<div>Biodegradable oil based on saturated synthetic ester with a high level of biodegradability (&gt; 60% according OECD 301). Meets the following specification</div> <div>• ISO 15380 HEES</div>		<div>• Bosch Rexroth RE 90221-01 Recommended for all hydraulic systems. Behaves neutrally in conjunction with elastomers. BIO RUBRIC 46 S has the European Ecolabel.</div> <div>• Excellent thermal stability</div> <div>• Excellent anti-wear performance and oxidation resistance</div> <div>• Good filtrability</div> <div>• Excellent desemulsion</div> <div>• High viscosity index</div> <div>• High temperature stable</div>			
VISCOSITY @ 40°C (CST)		VISCOSITY @ 100°C (CST)	VI	BASE OIL	POUR POINT °C	FLASHPOINT °C	
46		7.9	146	Mineral	-36	285	



HYDRAULIC	HVI	SKU NR AND PACKAGING				
		PRODUCT NAME		100437		
		RUBRIC HV 25			IBC 1000 L	
		APPLICATION		ADVANTAGES		
RANGE	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.		<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 desemulsibility</li><li>• Very good filterability</li><li>• Good seal compatibility</li></ul>			
	VISCOSITY @ 40°C (CST)	VISCOSITY @ 100°C (CST)	VI	BASE OIL	POUR POINT °C	FLASHPOINT °C
	25.5	8.6	352	Semi-synthetic	-63	100

HYDRAULIC	HFC	SKU NR AND PACKAGING				
		PRODUCT NAME		104505	104516	
		RUBRIC HFC 40				
				DRUM 208 L	IBC 1000 L	
RANGE	APPLICATION			ADVANTAGES		
	Fire resistant hydraulic fluid - HFC type (Water - Glycol). RUBRIC HFC 40 is applied in all areas where the risk of a fire hazard exists, as the steel industry in forging shops, heat treatment shops, die casting shops, in coal mines, but it also when a good biodegradability is important. RUBRIC HFC 40 fulfils all requirements of the 7th Luxemburg Report.			<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>		
	VISCOSITY @ 40°C (CST)	VISCOSITY @ 100°C (CST)	VI	BASE OIL	POUR POINT °C	FLASHPOINT °C
	40	9	> 150	Synthetic	-50	none

# 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.




MULTIFUNCTIONAL OILS	SKU NR AND PACKAGING					
	PRODUCT NAME			104232		100545
	<b>RUBRIC RU 32</b>					
				JERRYCAN 20 L		DRUM 180 KG
	<b>APPLICATION</b> Premium multifunctional oil for machine tools. Suitable for slideways, hydraulic and centralised lubrication systems. Meets various international standards for slideways, hydraulic and gear lubrication.			<b>Meets the following standards:</b> Slideway • ISO 11158 categories HG • ISO 6743-4 category HG • ISO 6743-13 category G • CINCINNATI MILACRON P-47, P-50, P-53		<b>ADVANTAGES</b> • High demulsifiability with water soluble metalworking fluids • Corrosion resistant • Compatible with plastic coated ways (SKC)
	<b>Meets the following standards:</b> Hydraulic • ISO 11158 categories HM • ISO 6743-4 category HG • ISO 6743-13 category G • DIN 51524 part 2, HLP Gear • DIN 51517 part 3, CLP • AGMA 9005 - E02					• Low friction coefficient • Avoids Stick-Slip • Excellent adhesiveness • Anti-wear and Extreme-Pressure • Zinc free
	VISCOSITY @ 40°C (CST)	VISCOSITY @ 100°C (CST)	VI	BASE OIL		POUR POINT °C
	32	5	84	Mineral		-36
						FLASHPOINT °C
						232




MULTIFUNCTIONAL OILS	SKU NR AND PACKAGING					
	PRODUCT NAME			104249		100547
	<b>RUBRIC RU 46</b>					
				JERRYCAN 20 L		DRUM 180 KG
	<b>APPLICATION</b> Premium multifunctional oil for machine tools. Suitable for slideways, hydraulic and centralised lubrication systems. Meets various international standards for slideways, hydraulic and gear lubrication. Meets the following standards:			<b>Meets the following standards:</b> Slideway • ISO 11158 categories HG • ISO 6743-4 category HG • ISO 6743-13 category G • CINCINNATI MILACRON P-47, P-50, P-53		<b>ADVANTAGES</b> • High demulsifiability with water soluble metalworking fluids • Corrosion resistant • Compatible with plastic coated ways (SKC)
	<b>Meets the following standards:</b> Hydraulic • ISO 11158 categories HM • ISO 6743-4 category HG • ISO 6743-13 category G • DIN 51524 part 2, HLP Gear • DIN 51517 part 3, CLP • AGMA 9005 - E02					• Low friction coefficient • Avoids Stick-Slip • Excellent adhesiveness • Anti-wear and Extreme-Pressure • Zinc free
	VISCOSITY @ 40°C (CST)	VISCOSITY @ 100°C (CST)	VI	BASE OIL		POUR POINT °C
	46	6.5	85	Mineral		-36
						FLASHPOINT °C
						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.




GEAR OILS	PRODUCT NAME		SKU NR AND PACKAGING				
	SUPRACO MPL 100		104268	100502	100503		
							
			JERRYCAN 20 L	DRUM 180 KG	BULK		
	APPLICATION		ADVANTAGES				
Extreme-pressure lubricant for all types of highly stressed gear drives. Applicable for the lubrication of gear drives, reducers (except hypoid gears), worm gears, bearings and heavy loaded parts of machinery. Meets the requirements of the most strict specifications for industrial gear lubricants:		<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>		<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>			
VISCOSITY @ 40°C (CST)		VISCOSITY @ 100°C (CST)		VI	BASE OIL	POUR POINT °C	FLASHPOINT °C
104		11.9		103	Mineral	-24	242



GEAR OILS	PRODUCT NAME		SKU NR AND PACKAGING				
	SUPRACO MPL 150		104250	100505	103079		
							
			JERRYCAN 20 L	DRUM 180 KG	IBC 885 KG		
	APPLICATION		ADVANTAGES				
<p>Extreme-pressure lubricant for all types of highly stressed gear drives.</p> <p>Applicable for the lubrication of gear drives, reducers (except hypoid gears), worm gears, bearings and heavy loaded parts of machinery.</p> <p>Meets the requirements of the most strict specifications for industrial gear lubricants:</p>		<p>ISO 6743-6 and ISO 12925-1, category CKC, CKD</p> <p>DIN 51517 Part 3: 2004-01</p> <p>AISE 224</p> <p>AGMA 9005-E02</p> <p>David Brown S1.53.101(E)</p> <p>strong FAG FE-8 performance</p>		<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>			
VISCOSITY @ 40°C (CST)		VISCOSITY @ 100°C (CST)		VI	BASE OIL	POUR POINT °C	FLASHPOINT °C
160		15.6		99	Mineral	-21	242

GEAR OILS	SKU NR AND PACKAGING					
	PRODUCT NAME	104236	100508	100509	100510	
	<b>SUPRACO MPL 220</b>	 JERRYCAN 20 L	 DRUM 180 KG	 IBC 885 KG	 BULK	
<b>APPLICATION</b> Extreme-pressure lubricant for all types of highly stressed gear drives. Applicable for the lubrication of gear drives, reducers (except hypoid gears), worm gears, bearings and heavy loaded parts of machinery. Meets the requirements of the most strict specifications for industrial gear lubricants:		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> <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>		
VISCOSITY @ 40°C (CST)		VISCOSITY @ 100°C (CST)	VI	BASE OIL	POUR POINT °C	FLASHPOINT °C
232		21	107	Mineral	-18	238



GEAR OILS	PRODUCT NAME		SKU NR AND PACKAGING								
	SUPRACO MPL 320		104252		100512						
											
			JERRYCAN 20 L		DRUM 180 KG						
	APPLICATION			ADVANTAGES							
	<p>Extreme-pressure lubricant for all types of highly stressed gear drives. Applicable for the lubrication of gear drives, reducers (except hypoid gears), worm</p>			<p>gears, bearings and heavy loaded parts of machinery. Meets the requirements of the most strict specifications for industrial gear lubricants: • ISO 6743-6 and ISO 12925-1,</p>							
<p>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</p>			<p>• 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</p>								
VISCOSITY @ 40°C (CST)		VISCOSITY @ 100°C (CST)		VI		BASE OIL		POUR POINT °C		FLASHPOINT °C	
346		26.4		101		Mineral		-15		236	



GEAR OILS	PRODUCT NAME		SKU NR AND PACKAGING		100514	
	SUPRACO MPL 460		104354		JERRYCAN 20 L	
						
					DRUM 180 KG	
APPLICATION		ADVANTAGES				
<p>Extreme-pressure lubricant for all types of highly stressed gear drives. Applicable for the lubrication of gear drives, reducers (except hypoid gears), worm</p>		<p>gears, bearings and heavy loaded parts of machinery. Meets the requirements of the most strict specifications for industrial gear lubricants: • ISO 6743-6 and ISO 12925-1,</p>		<p>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</p>		
VISCOSITY @ 40°C (CST)		VISCOSITY @ 100°C (CST)		VI		
475		31.9		99		



GEAR OILS	PRODUCT NAME		SKU NR AND PACKAGING			
	SUPRACO MPL 680		104323	100515	107803	
						
			JERRYCAN 20 L	DRUM 180 KG	IBC 1000 L	
APPLICATION				ADVANTAGES		
Extreme-pressure lubricant for all types of highly stressed gear drives. Applicable for the lubrication of gear drives, reducers (except hypoid gears), worm				• 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		
gears, bearings and heavy loaded parts of machinery. Meets the requirements of the most strict specifications for industrial gear lubricants: • 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		
VISCOSITY @ 40°C (CST)		VISCOSITY @ 100°C (CST)		VI	BASE OIL	POUR POINT °C
641		35.2		87	Mineral	-9
						FLASHPOINT °C
						234



GEAR OILS	PRODUCT NAME		SKU NR AND PACKAGING		
	GEAR SY 68		104320	100517	
					
			JERRYCAN 20 L	DRUM 280 L	
	APPLICATION		ADVANTAGES		
For long life lubrication of industrial gears, plain bearings working under severe load and temperature conditions. Meets the following standards: • 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			
		• Excellent extreme pressure and anti-wear properties • Excellent oxidation stability • Excellent rust and corrosion protection • Very high demulsibility with water • High viscosity index			
VISCOSITY @ 40°C (CST)	VISCOSITY @ 100°C (CST)	VI	BASE OIL	POUR POINT °C	FLASHPOINT °C
68	10	138	Gr III	< -30	238







GEAR OILS	PRODUCT NAME		SKU NR AND PACKAGING			
	GEAR SY 150		104322		100520	
						
			JERRYCAN 20 L		DRUM 170 KG	
	APPLICATION			ADVANTAGES		
<p>For long life lubrication of industrial gears, plain bearings working under severe load and temperature conditions. Meets the following standards:</p> <ul style="list-style-type: none"><li>• ISO 6743-6 and ISO 12925-1, category CKC, CKD</li></ul>			<ul style="list-style-type: none"><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>			
VISCOSITY @ 40°C (CST)			VISCOSITY @ 100°C (CST)	VI	BASE OIL	POUR POINT °C
150			19.5	157	PAO	< -30
						FLASHPOINT °C
						236



GEAR OILS	PRODUCT NAME		SKU NR AND PACKAGING			
	GEAR SY 220		104321		100523	
						
			JERRYCAN 20 L		DRUM 190 KG	
	APPLICATION			ADVANTAGES		
<p>For long life lubrication of industrial gears, plain bearings working under severe load and temperature conditions.</p> <p>Meets the following standards:</p> <ul style="list-style-type: none"><li>• ISO 6743-6 and ISO 12925-1, category CKC, CKD</li></ul>			<ul style="list-style-type: none"><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>			
VISCOSITY @ 40°C (CST)		VISCOSITY @ 100°C (CST)	VI	BASE OIL	POUR POINT °C	FLASHPOINT °C
220		26	161	Gr III	< -30	242



GEAR OILS	PRODUCT NAME		SKU NR AND PACKAGING		
	GEAR SY 320		104294		100525
					
				JERRYCAN 20 L	DRUM 190 KG
	APPLICATION		ADVANTAGES		
For long life lubrication of industrial gears, plain bearings working under severe load and temperature conditions. Meets the following standards: • 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			• Excellent extreme pressure and anti-wear properties • Excellent oxidation stability • Excellent rust and corrosion protection • Very high demulsibility with water • High viscosity index
VISCOSITY @ 40°C (CST)	VISCOSITY @ 100°C (CST)	VI	BASE OIL	POUR POINT °C	FLASHPOINT °C
320	37.6	164	Gr III	< -30	236

GEAR OILS	PRODUCT NAME		SKU NR AND PACKAGING					
	GEAR SY 460		104295		102516			
								
			JERRYCAN 20 L		DRUM 170 KG			
	APPLICATION			ADVANTAGES				
<p>For long life lubrication of industrial gears, plain bearings working under severe load and temperature conditions.</p> <p>Meets the following standards:</p> <ul style="list-style-type: none"><li>• ISO 6743-6 and ISO 12925-1, category CKC, CKD</li></ul>			<ul style="list-style-type: none"><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>			<ul style="list-style-type: none"><li>• Excellent extreme pressure and anti-wear properties</li><li>• Excellent oxidation stability</li><li>• Excellent rust and corrosion protection</li><li>• Very high demulsibility with water</li><li>• High viscosity index</li></ul>		
VISCOSITY @ 40°C (CST)	VISCOSITY @ 100°C (CST)	VI	BASE OIL	POUR POINT °C	FLASHPOINT °C			
460	50	171	PAO	< -30	232			


GEAR OILS	SKU NR AND PACKAGING				
	PRODUCT NAME		106313	106314	
	SUPRA GEAR GL 150				
			JERRYCAN 20 L	DRUM 206 L	
	APPLICATION		ADVANTAGES		
	Reduces friction factors, especially in the presence of high slippage and low linear speeds. Mainly intended for long-life or permanent lubrication of worm gear reduction drives, or gearboxes operating in a wide temperature range. Suitable for lubricating all types of machine exposed to		high temperatures or heavy loads in an oil circulation system. Not miscible with mineral or other synthetic lubricants. Compliant with DIN 51517 Part 3, CLP, David Brown Type G		<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>
	VISCOSITY @ 40°C (CST)	VISCOSITY @ 100°C (CST)	VI	BASE OIL	FLASHPOINT °C
	150	25	195	PAG	191


GEAR OILS	SKU NR AND PACKAGING				
	PRODUCT NAME		106315	106316	
	SUPRA GEAR GL 220				
			JERRYCAN 20 L	DRUM 205 L	
	APPLICATION		ADVANTAGES		
	Reduces friction factors, especially in the presence of high slippage and low linear speeds. Mainly intended for long-life or permanent lubrication of worm gear reduction drives, or gearboxes operating in a wide temperature range. Suitable for lubricating all types of machine exposed to		high temperatures or heavy loads in an oil circulation system. Not miscible with mineral or other synthetic lubricants. Compliant with DIN 51517 Part 3, CLP, David Brown Type G		<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>
	VISCOSITY @ 40°C (CST)	VISCOSITY @ 100°C (CST)	VI	BASE OIL	FLASHPOINT °C
	237	32	177	PAG	225


GEAR OILS	SKU NR AND PACKAGING				
	PRODUCT NAME		106319	106320	
	SUPRA GEAR GL 320				
			JERRYCAN 20 L	DRUM 207 L	
	APPLICATION		ADVANTAGES		
	Reduces friction factors, especially in the presence of high slippage and low linear speeds. Mainly intended for long-life or permanent lubrication of worm gear reduction drives, or gearboxes operating in a wide temperature range. Suitable for lubricating all types of machine exposed to		high temperatures or heavy loads in an oil circulation system. Not miscible with mineral or other synthetic lubricants. Compliant with DIN 51517 Part 3, CLP, David Brown Type G		<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>
	VISCOSITY @ 40°C (CST)	VISCOSITY @ 100°C (CST)	VI	BASE OIL	FLASHPOINT °C
	325	45	196	PAG	225

GEAR OILS	SKU NR AND PACKAGING				
	PRODUCT NAME		106321	106322	
	SUPRA GEAR GL 460				
			JERRYCAN 20 L	DRUM 208 L	
	APPLICATION		ADVANTAGES		
	Reduces friction factors, especially in the presence of high slippage and low linear speeds. Mainly intended for long-life or permanent lubrication of worm gear reduction drives, or gearboxes operating in a wide temperature range. Suitable for lubricating all types of machine exposed to		high temperatures or heavy loads in an oil circulation system. Not miscible with mineral or other synthetic lubricants. Compliant with DIN 51517 Part 3, CLP, David Brown Type G		<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>
	VISCOSITY @ 40°C (CST)	VISCOSITY @ 100°C (CST)	VI	BASE OIL	FLASHPOINT °C
	433	64	220	PAG	225







GEAR GREASES	PRODUCT NAME			SKU NR AND PACKAGING			
	CIMLUBE MAK 460 G			101831 			
	APPLICATION			ADVANTAGES			
	Designed to lubricate open mesh gears operating under heavy loads to avoid pitting and seizing. Especially suited 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.			<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>			
BASE OIL	BASE OIL VISCOSITY AT 40 °C	THICKENER	NLGI GRADE	TEMPERATURE RANGE °C	DROPPING POINT °C	4-BALL WELD LOAD KG	COLOUR
Mineral	500	Aluminium Complex	0	-25 to 220	> 190	> 710	black


GEAR GREASES	PRODUCT NAME			SKU NR AND PACKAGING			
	CIMLUBE MAK 1500 G			107130			
							
				PAIL 19 KG			
	APPLICATION			ADVANTAGES			
<p>Designed to lubricate open mesh gears operating under heavy loads to avoid pitting and seizing.</p> <p>Especially suited 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.</p>			<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>				
BASE OIL	BASE OIL VISCOSITY AT 40 °C	THICKENER	NLGI GRADE	TEMPERATURE RANGE °C	DROPPING POINT °C	4-BALL WELD LOAD KG	COLOUR
Syn / Min	1500	Aluminium Complex	0	-10 to 150 (170)	> 190	> 815	black


GEAR GREASES	PRODUCT NAME				SKU NR AND PACKAGING			
	IRIX HP - LCM 92000				107192			
								
					6 x CAN 1 KG			
	APPLICATION				ADVANTAGES			
Suitable for industrial and automotive applications with high loads and slow movements. Particularly developed for the 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.				• Excellent load carrying capacity • Offers lower friction coefficient • Suitable for central lubrication systems • Very good water resistance • Superior corrosion protection and antioxidant properties				
BASE OIL	BASE OIL VISCOSITY AT 40 °C	THICKENER	NLGI GRADE	TEMPERATURE RANGE °C	DROPPING POINT °C	4-BALL WELD LOAD KG	COLOUR	
Mineral	920	Lithium Calcium	0	-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.




SLIDEWAY OILS	PRODUCT NAME			SKU NR AND PACKAGING			
	SLIDFILM 68			104231	100535	100536	106495
				 JERRYCAN 20 L	 DRUM 180 KG	 IBC 873 KG	 BULK
	APPLICATION			ADVANTAGES			
	<p>Suitable for slideways, hydraulic and centralised lubrication systems. Meets various international standards for slideways, hydraulic and gear lubrication. Slideway</p> <ul style="list-style-type: none"><li>• ISO 11158 categories HG</li><li>• ISO 6743-4 category HG</li><li>• ISO 6743-13 category G</li><li>• CINCINNATI MILACRON P-47 and P-50 Hydraulic</li><li>• ISO 11158 categories HM</li></ul>			<ul style="list-style-type: none"><li>• ISO 6743-4 category HM</li><li>• DIN 51524 part 2, HLP Gear</li><li>• DIN 51517 part 3</li><li>• AGMA 9005 - E02</li><li>• US STEEL 224</li></ul> <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>			
VISCOSITY @ 40°C (CST)		VISCOSITY @ 100°C (CST)		VI		BASE OIL	
68		9		104		Mineral	
				POUR POINT °C		FLASHPOINT °C	
				-27		238	



SLIDEWAY OILS	PRODUCT NAME			SKU NR AND PACKAGING		
	SLIDFILM 100			104277		
						
	APPLICATION			JERRYCAN 20 L		
				ADVANTAGES		
Suitable for slideways, hydraulic and centralised lubrication systems. Meets various international standards for slideways, hydraulic and gear lubrication. Slideway			<ul style="list-style-type: none"><li>• ISO 11158 categories HG</li><li>• ISO 6743-4 category HG</li><li>• ISO 6743-13 category G</li><li>• CINCINNATI MILACRON P-47 and P-50 Hydraulic</li><li>• ISO 11158 categories HM</li></ul>			
			<ul style="list-style-type: none"><li>• ISO 6743-4 category HM</li><li>• DIN 51524 part 2, HLP Gear</li><li>• DIN 51517 part 3</li><li>• AGMA 9005 - E02</li><li>• US STEEL 224</li></ul>			
VISCOSITY @ 40°C (CST)			VISCOSITY @ 100°C (CST)			
100			11			
VI			95			
BASE OIL			POUR POINT °C			
Mineral			-24			
FLASHPOINT °C			240			


SLIDEWAY OILS	PRODUCT NAME			SKU NR AND PACKAGING				
	SLIDFILM 150			104279				
								
				JERRYCAN 20 L				
	APPLICATION			ADVANTAGES				
<p>Suitable for slideways, hydraulic and centralised lubrication systems. Meets various international standards for slideways, hydraulic and gear lubrication. Slideway</p>			<ul style="list-style-type: none"><li>• ISO 11158 categories HG</li><li>• ISO 6743-4 category HG</li><li>• ISO 6743-13 category G</li><li>• CINCINNATI MILACRON P-47 and P-50 Hydraulic</li><li>• ISO 11158 categories HM</li></ul>					
			<ul style="list-style-type: none"><li>• ISO 6743-4 category HM</li><li>• DIN 51524 part 2, HLP Gear</li><li>• DIN 51517 part 3</li><li>• AGMA 9005 - E02</li><li>• US STEEL 224</li></ul>					
			<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>					
VISCOSITY @ 40°C (CST)		VISCOSITY @ 100°C (CST)		VI		BASE OIL	POUR POINT °C	FLASHPOINT °C
150		14.6		96		Mineral	-27	242



SLIDEWAY OILS	PRODUCT NAME		SKU NR AND PACKAGING			
	SLIDFILM 220		104278	100541	100542	102135
			 JERRYCAN 20 L	 DRUM 180 KG	 IBC 894 KG	 BULK
	APPLICATION			ADVANTAGES		
	<p>Suitable for slideways, hydraulic and centralised lubrication systems. Meets various international standards for slideways, hydraulic and gear lubrication. Slideway</p> <ul style="list-style-type: none"><li>• ISO 11158 categories HG</li><li>• ISO 6743-4 category HG</li><li>• ISO 6743-13 category G</li><li>• CINCINNATI MILACRON P-47 and P-50 Hydraulic</li><li>• ISO 11158 categories HM</li></ul>			<ul style="list-style-type: none"><li>• ISO 6743-4 category HM</li><li>• DIN 51524 part 2, HLP Gear</li><li>• DIN 51517 part 3</li><li>• AGMA 9005 - E02</li><li>• US STEEL 224</li></ul> <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>		
VISCOSITY @ 40°C (CST)		VISCOSITY @ 100°C (CST)	VI	BASE OIL	POUR POINT °C	FLASHPOINT °C
220		18.7	97	Mineral	-18	240


SLIDEWAY OILS	PRODUCT NAME			SKU NR AND PACKAGING		
	SUPRA SLIDE 68			104513	104515	105863
				 JERRYCAN 20 L	 DRUM 208 L	 IBC 1000 L
	APPLICATION			ADVANTAGES		
	<p>Specifically designed to meet requirements for low friction, good damping properties, excellent demulsibility and protection of precision machine tools.</p> <p>They are also suitable for moderate applications as hydraulic and gear drive fluid. Meets the following standards:</p> <ul style="list-style-type: none"><li>• Cincinnati Lamb P-47 / P-50</li><li>• SH/T0361-94 Chinese ntl. specification for slideway oils</li><li>• DIN51524-2 HLP</li><li>• DIN51517-3 CLP</li></ul>			<ul style="list-style-type: none"><li>• Ashless, light color, low odor chemistry</li><li>• Excellent compatibility with aqueous metalworking fluids</li><li>• Exceptional demulsibility properties, particularly with MotulTech soluble fluids</li><li>• Elastomer compatibility</li><li>• Excellent lubricity and load carrying performance</li></ul> <ul style="list-style-type: none"><li>• Good filterability</li><li>• Outstanding frictional properties to eliminate stick-slip even at low feed speed and high pressure</li><li>• Non-corrosive to ferrous and non-ferrous alloys</li><li>• Anti-wear and extreme pressure performance</li></ul>		
VISCOSITY @ 40°C (CST)		VISCOSITY @ 100°C (CST)	VI	BASE OIL	POUR POINT °C	FLASHPOINT °C
70		8.9	100	Mineral	-15	248



SLIDEWAY OILS	PRODUCT NAME		SKU NR AND PACKAGING				
	SUPRA SLIDE 220		104514		104517		
			 JERRYCAN 20 L		 DRUM 208 L		
	APPLICATION		ADVANTAGES				
	Specifically designed to meet requirements for low friction, good damping properties, excellent demulsibility and protection of precision machine tools.		<ul style="list-style-type: none"><li>• Ashless, light color, low odor chemistry</li><li>• Excellent compatibility with aqueous metalworking fluids</li><li>• Exceptional demulsibility properties, particularly with MotulTech soluble fluids</li><li>• Elastomer compatibility</li><li>• Excellent lubricity and load carrying performance</li></ul>				
They are also suitable for moderate applications as hydraulic and gear drive fluid. Meets the following standards:		<ul style="list-style-type: none"><li>• Cincinnati Lamb P-47 / P-50</li><li>• SH/T0361-94 Chinese ntl. specification for slideway oils</li><li>• DIN51524-2 HLP</li><li>• DIN51517-3 CLP</li></ul>					
VISCOSITY @ 40°C (CST)		VISCOSITY @ 100°C (CST)		VI	BASE OIL	POUR POINT °C	FLASHPOINT °C
219		19		96	Mineral	-12	286



SLIDEWAY GREASE	<div>PRODUCT NAME</div> <div>IRIX HP - LCM 92000</div>				<div>SKU NR AND PACKAGING</div> <div>107192</div> <div></div> <div>6 x CAN 1 KG</div>			
	<div>APPLICATION</div> <div>Suitable for industrial and automotive applications with high loads and slow movements. Particularly developed for the 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.</div>				<div>ADVANTAGES</div> <div><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></div>			
	<div>BASE OIL</div> <div>Mineral</div>	<div>BASE OIL VISCOSITY AT 40 °C</div> <div>920</div>	<div>THICKENER</div> <div>Lithium Calcium</div>	<div>NLGI GRADE</div> <div>000</div>	<div>TEMPERATURE RANGE °C</div> <div>-20 to 120 (130)</div>	<div>DROPPING POINT °C</div> <div>&gt; 180</div>	<div>4-BALL WELD LOAD KG</div> <div>&gt; 700</div>	<div>COLOUR</div> <div>brown</div>

# SPINDLE OILS

High quality oil 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.

SPINDLE OILS	SKU NR AND PACKAGING				
	PRODUCT NAME			104419	
	<b>SPEED AA 2</b>				
	JERRYCAN 20 L				
APPLICATION	Suitable for the lubrication of high-speed spindles bearings, air line oilers, hydraulic systems requiring low-viscosity lubricants in grinders and other machine tools. Meets the following standards: <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>	
	VISCOSITY @ 40 °C (CST)	VISCOSITY @ 100 °C (CST)	VI	BASE OIL	FLASHPOINT °C
	2.1	1	148	Mineral	108


SPINDLE OILS	SKU NR AND PACKAGING				
	PRODUCT NAME			TBA	
	<b>SPEED A 5</b>				
	JERRYCAN 20 L				
APPLICATION	Suitable for the lubrication of high-speed spindles bearings, air line oilers, hydraulic systems requiring low-viscosity lubricants in grinders and other machine tools. Meets the following standards: <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>	
	VISCOSITY @ 40 °C (CST)	VISCOSITY @ 100 °C (CST)	VI	BASE OIL	FLASHPOINT °C
	5	1.8	133	Mineral	134


SPINDLE OILS	SKU NR AND PACKAGING				
	PRODUCT NAME			104420	
	<b>SPEED A 10</b>				
	JERRYCAN 20 L				
APPLICATION	Suitable for the lubrication of high-speed spindles bearings, air line oilers, hydraulic systems requiring low-viscosity lubricants in grinders and other machine tools. Meets the following standards: <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>	
	VISCOSITY @ 40 °C (CST)	VISCOSITY @ 100 °C (CST)	VI	BASE OIL	FLASHPOINT °C
	10	2.8	105	Mineral	164




# CHAIN OILS

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.


CHAIN OILS	PRODUCT NAME			SKU NR AND PACKAGING		
	CIMLUBE HE 100 CL			101811		
						
				JERRYCAN 20 KG		
	APPLICATION			ADVANTAGES		
Suitable for lubrication of chains and bearings at high temperatures (170-280°C). Chains and textile range sliding tracks, continuous press rolls for particle board presses, chains and bearings in drying ovens, polymerising tunnels, glass wool or gypsum board dyers.			<ul style="list-style-type: none"><li>• Excellent corrosion protection</li><li>• Good mechanical stability</li><li>• Enhanced anti-wear and EP qualities</li><li>• Excellent thermal stability</li><li>• Extremely low evaporation rate</li></ul>			
BASE OIL	VISCOSITY @ 40 °C (CST)	VISCOSITY @ 100 °C (CST)	VI	POURPOINT °C	FLASHPOINT °C	
Synthetic	95	11	100	-25	265	


CHAIN OILS	PRODUCT NAME			SKU NR AND PACKAGING		
	<b>CIMLUBE HE 250 CL</b>			101807		101806
	JERRYCAN 5 KG			JERRYCAN 20 KG		
CHAIN OILS	APPLICATION			ADVANTAGES		
	Suitable for lubrication of chains and bearings at high temperatures (170-280°C). Chains and textile range sliding tracks, continuous press rolls for particle board presses, chains and bearings in drying ovens, polymerising tunnels, glass wool or gypsum board dyers.			<ul style="list-style-type: none"> <li>• Excellent corrosion protection</li> <li>• Good mechanical stability</li> <li>• Enhanced anti-wear and EP qualities</li> <li>• Excellent thermal stability</li> <li>• Extremely low evaporation rate</li> </ul>		
CHAIN OILS	BASE OIL	VISCOSITY @ 40 °C (CST)	VISCOSITY @ 100 °C (CST)	VI	POURPOINT °C	FLASHPOINT °C
	Synthetic	250	24	120	-25	265


CHAIN OILS	PRODUCT NAME			SKU NR AND PACKAGING		
	<b>CIMLUBE HE 320 CL</b>			101874		
	JERRYCAN 5 KG					
CHAIN OILS	APPLICATION			ADVANTAGES		
	<ul style="list-style-type: none"> <li>• Suitable for lubrication of chains and bearings at high temperatures (170-280°C).</li> <li>• Chains and textile range sliding tracks, continuous press rolls for particle board presses, chains and bearings in drying ovens, polymerising tunnels, glass wool or gypsum board dyers.</li> </ul>			<ul style="list-style-type: none"> <li>• Excellent corrosion protection</li> <li>• Good mechanical stability</li> <li>• Enhanced anti-wear and EP qualities</li> <li>• Excellent thermal stability</li> <li>• Extremely low evaporation rate</li> </ul>		
CHAIN OILS	BASE OIL	VISCOSITY @ 40 °C (CST)	VISCOSITY @ 100 °C (CST)	VI	POURPOINT °C	FLASHPOINT °C
	Synthetic	30			-25	275

# 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.







GREASES & PASTES	PRODUCT NAME				SKU NR AND PACKAGING			
	<b>Grease 113</b>				106780			
					DRUM 180 KG			
	<b>APPLICATION</b> <ul style="list-style-type: none"> <li>Multifunctional grease for machines working under mild conditions of load and temperature. Suitable for plain bearings, slideways, sliding blocks, lubrication of various machine movements.</li> <li>Also intended for the temporary protection of metal parts and the protection of spray booths.</li> </ul>				<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>			
BASE OIL		BASE OIL VISCOSITY AT 40 °C	THICKENER	NLGI GRADE	TEMPERATURE RANGE °C	DROPPING POINT °C	4-BALL WELD LOAD KG	COLOUR
Mineral		100	Calcium	2	-25 to 100	> 140	n/a	amber





GREASES & PASTES	PRODUCT NAME				SKU NR AND PACKAGING			
	<b>IRIX LSM 1500</b>				106873			
					6 X CAN 1 KG			
	<b>APPLICATION</b> IRIX LSM grease can be used to 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>			
BASE OIL		BASE OIL VISCOSITY AT 40 °C	THICKENER	NLGI GRADE	TEMPERATURE RANGE °C	DROPPING POINT °C	4-BALL WELD LOAD KG	COLOUR
Mineral		52	Lithium	0	-30 to 130	170	285	amber





GREASES & PASTES	PRODUCT NAME				SKU NR AND PACKAGING			
	<b>IRIX LSM 150</b>				106911			
					6 X CAN 1 KG			
	<b>APPLICATION</b> IRIX LSM grease can be used to 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>			
BASE OIL		BASE OIL VISCOSITY AT 40 °C	THICKENER	NLGI GRADE	TEMPERATURE RANGE °C	DROPPING POINT °C	4-BALL WELD LOAD KG	COLOUR
Mineral		65	Lithium	0	-30 to 130	170	285	amber









GREASES & PASTES	PRODUCT NAME  <b>IRIX LSM 151</b>			SKU NR AND PACKAGING			
				106789  24 X CARTRIDGE 400 G	106787  6 X CAN 1 KG	106781  4 X CAN 5 KG	
				10876  DRUM 50 KG	106784  DRUM 180 KG		
	APPLICATION IRIX LSM grease can be used to 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.			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  <i>130</i>	THICKENER  <i>Lithium</i>	NLGI GRADE  <i>1</i>	TEMPERATURE RANGE °C  <i>-20 to 140</i>	DROPPING POINT °C  <i>180</i>	4-BALL WELD LOAD KG  <i>285</i>



GREASES & PASTES	PRODUCT NAME  <b>IRIX LSM 152</b>				SKU NR AND PACKAGING			
					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 <ul style="list-style-type: none"><li>• IRIX LSM grease can be used to lubricate bearings, gears and all mechanical units operating under high loads.</li><li>• For reducers, centralised greasing, gears in crankcases, various parts working in a cold atmosphere, all soft EP grease uses.</li></ul>				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	BASE OIL VISCOSITY AT 40 °C	THICKENER	NLGI GRADE	TEMPERATURE RANGE °C	DROPPING POINT °C	4-BALL WELD LOAD KG	COLOUR	
Mineral	130	Lithium	2	-20 to 140	190	285	amber	

GREASES & PASTES	PRODUCT NAME				SKU NR AND PACKAGING			
	IRIX LSM 153				106783 	106883 	106782 	106842 
	APPLICATION				ADVANTAGES			
	IRIX LSM grease can be used to 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.				<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	BASE OIL VISCOSITY AT 40 °C	THICKENER	NLGI GRADE	TEMPERATURE RANGE °C	DROPPING POINT °C	4-BALL WELD LOAD KG	COLOUR	
Mineral	130	Lithium	3	-20 to 140	190	285	amber	

GREASES & PASTES	PRODUCT NAME			SKU NR AND PACKAGING			
	IRIX HP - LXM 202			106790	106868	106869	106870
							
				24 x CARTRIDGE 400 G	6 x CAN 1 KG	PAIL 19 KG	DRUM 50 KG
APPLICATION				ADVANTAGES			
Especially developed for the 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.				<ul style="list-style-type: none"><li>• Excellent wear resistant and extreme-pressure properties</li><li>• Very good resistance to water</li><li>• Excellent adhesiveness</li><li>• Resistance to corrosion</li></ul>			
BASE OIL	BASE OIL VISCOSITY AT 40 °C	THICKENER	NLGI GRADE	TEMPERATURE RANGE °C	DROPPING POINT °C	4-BALL WELD LOAD KG	COLOUR
Mineral	200	Lithium Complex	2	-20 to 160	≥ 240	400	green

GREASES & PASTES	PRODUCT NAME  <b>IRIX LSM 112 MO</b>				SKU NR AND PACKAGING										
					106893  24 X CARTRIDGE 400 G		106894  6 X CAN 1 KG		106895  4 X CAN 5 KG						
					106896  DRUM 50 KG		106897  DRUM 180 KG								
	APPLICATION Suitable for 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%				ADVANTAGES <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>										
BASE OIL		BASE OIL VISCOSITY AT 40 °C		THICKENER		NLGI GRADE		TEMPERATURE RANGE °C		DROPPING POINT °C		4-BALL WELD LOAD KG		COLOUR	
Mineral		110		Lithium		2		-30 to +120 (130)		190		365		black	



GREASES & PASTES	PRODUCT NAME				SKU NR AND PACKAGING			
	CIMLUBE MSI 101 CU				101820			
								
	APPLICATION Suitable for the lubrication of transport chains, eccentrics, cams, guides and joints subjected to thermal shocks or harsh weather conditions. Can also be used as a electricity conductive paste, for the lubrication of mould runners as well as for bearings at low rotational speeds and with considerable play.				ADVANTAGES <ul style="list-style-type: none"><li>• Excellent anti-scoring and anti-corrosion properties up to 1000°C</li><li>• High thermal stability for long lubrication intervals</li><li>• Strong adherence</li><li>• Does not leave coking residue</li></ul>			
					6 x CAN 1 KG			
BASE OIL	BASE OIL VISCOSITY AT 40 °C	THICKENER	NLGI GRADE	TEMPERATURE RANGE °C	DROPPING POINT °C	4-BALL WELD LOAD KG	COLOUR	
Mineral	95	Silica	1	-20 to 1000	> 300	300	copper	



GREASES & PASTES	PRODUCT NAME				SKU NR AND PACKAGING			
	IRIX HP - ETF 122				101878		106039	
								
					12 x Can 1 KG		PAIL 19 KG	
	APPLICATION				ADVANTAGES			
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.				<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>				
BASE OIL	BASE OIL VISCOSITY AT 40 °C	THICKENER	NLGI GRADE	TEMPERATURE RANGE °C	DROPPING POINT °C	4-BALL WELD LOAD KG	COLOUR	
Semi-synthetic	120	Bentonite	2	-30 to 1400	none	340	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.



COMPRESSOR OILS	SKU NR AND PACKAGING				
	PRODUCT NAME		104282	100487	
	<b>VIS 32</b>				
			JERRYCAN 20 L		DRUM 180 KG
COMPRESSOR OILS	APPLICATION		ADVANTAGES		
	Suitable for the lubrication of rotating (VIS) air compressors as well as vacuum pumps Meets the following standards: • DIN 51506 - VDL • PNEUROP test: DIN 51 352-2 • ISO 6743-3: DAH		<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>		
COMPRESSOR OILS	BASE OIL	VISCOSITY @ 40 °C (CST)	VISCOSITY @ 100 °C (CST)	VI	FLASHPOINT °C
	Mineral	32	5.1	92	204



COMPRESSOR OILS	SKU NR AND PACKAGING				
	PRODUCT NAME		104267	100490	
	<b>VIS 46</b>				
			JERRYCAN 20 L		DRUM 180 KG
COMPRESSOR OILS	APPLICATION		ADVANTAGES		
	Suitable for the lubrication of rotating (VIS) air compressors as well as vacuum pumps Meets the following standards: • DIN 51506 - VDL • PNEUROP test: DIN 51 352-2 • ISO 6743-3: DAH		<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>		
COMPRESSOR OILS	BASE OIL	VISCOSITY @ 40 °C (CST)	VISCOSITY @ 100 °C (CST)	VI	FLASHPOINT °C
	Mineral	46	7	102	240

COMPRESSOR OILS	SKU NR AND PACKAGING				
	PRODUCT NAME		107799	107800	
	<b>ALTERNA 68</b>				
			JERRYCAN 20 L		DRUM 280 L
COMPRESSOR OILS	APPLICATION		ADVANTAGES		
	Suitable for the lubrication of reciprocating (ALTERNA) air compressors as well as vacuum pumps Meets the following standards: • DIN 51506 - VDL • PNEUROP test: DIN 51 352-2 • ISO 6743-3: DAH		<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>		
COMPRESSOR OILS	BASE OIL	VISCOSITY @ 40 °C (CST)	VISCOSITY @ 100 °C (CST)	VI	FLASHPOINT °C
	Mineral	68	9.1	109	230



COMPRESSOR OILS	SKU NR AND PACKAGING				
	PRODUCT NAME		104251	100492	
	<b>ALTERNA 100</b>		 JERRYCAN 20 L	 DRUM 180 KG	
COMPRESSOR OILS	APPLICATION		ADVANTAGES		
	Suitable for the lubrication of reciprocating (ALTERNA) air compressors as well as vacuum pumps Meets the following standards: • DIN 51506 - VDL • PNEUROP test: DIN 51 352-2 • ISO 6743-3: DAH		<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>		
COMPRESSOR OILS	BASE OIL	VISCOSITY @ 40 °C (CST)	VISCOSITY @ 100 °C (CST)	VI	FLASHPOINT °C
	Mineral	100	11.3	105	230

COMPRESSOR OILS	SKU NR AND PACKAGING				
	PRODUCT NAME		104283		
	<b>ALTERNA 150</b>		 JERRYCAN 20 L		
COMPRESSOR OILS	APPLICATION		ADVANTAGES		
	Suitable for the lubrication of reciprocating (ALTERNA) air compressors as well as vacuum pumps Meets the following standards: • DIN 51506 - VDL • PNEUROP test: DIN 51 352-2 • ISO 6743-3: DAH		<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>		
COMPRESSOR OILS	BASE OIL	VISCOSITY @ 40 °C (CST)	VISCOSITY @ 100 °C (CST)	VI	FLASHPOINT °C
	Mineral	150	15.4	103	232

COMPRESSOR OILS	SKU NR AND PACKAGING				
	PRODUCT NAME		104688	104707	
	<b>BAR SY 46</b>		 JERRYCAN 20 L	 DRUM 208 L	
COMPRESSOR OILS	APPLICATION		ADVANTAGES		
	High Performance synthetic lubricants for rotary and reciprocating compressors. Meets the following standard: • DIN 51506 - VCL and VDL • PNEUROP test: DIN 51 352-2 • ISO 6743-3: DAJ		<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>		
COMPRESSOR OILS	BASE OIL	VISCOSITY @ 40 °C (CST)	VISCOSITY @ 100 °C (CST)	VI	FLASHPOINT °C
	Synthetic	46	7.5	128	238

COMPRESSOR OILS	SKU NR AND PACKAGING				
	PRODUCT NAME		104690	104761	
	<b>BAR SY 68</b>		 JERRYCAN 20 L	 DRUM 208 L	
COMPRESSOR OILS	APPLICATION		ADVANTAGES		
	High Performance synthetic lubricants for rotary and reciprocating compressors. Meets the following standard: • DIN 51506 - VCL and VDL • PNEUROP test: DIN 51 352-2 • ISO 6743-3: DAJ		<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>		
COMPRESSOR OILS	BASE OIL	VISCOSITY @ 40 °C (CST)	VISCOSITY @ 100 °C (CST)	VI	FLASHPOINT °C
	Synthetic	68	10	124	250








COMPRESSOR OILS	PRODUCT NAME			SKU NR AND PACKAGING	
	BAR SY 100			104691	104689
					
				JERRYCAN 20 L	DRUM 208 L
	APPLICATION			ADVANTAGES	
High Performance synthetic lubricants for rotary and reciprocating compressors. Meets the following standard: <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>			<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>		
BASE OIL	VISCOSITY @ 40 °C (CST)	VISCOSITY @ 100 °C (CST)	VI	POURPOINT °C	FLASHPOINT °C
Synthetic	100	12.5	117	-27	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.


HEAT TRANSFER OILS	PRODUCT NAME			SKU NR AND PACKAGING		
	SUPRACAL 22			104497	104504	
	<p>APPLICATION</p> <p>Highly refined mineral oil with paraffinic tendencies for heat transfer and thermal controls operating at temperatures up to 280°C. Supracal 22 is intended for dynamic (circulation).</p>					
				JERRYCAN 20 L		DRUM 208 L
				<p>ADVANTAGES</p> <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>		
BASE OIL	VISCOSITY @ 40 °C (CST)	VISCOSITY @ 100 °C (CST)	VI	POURPOINT °C	FLASHPOINT °C	
Mineral	22	4	81	-27	214	

HEAT TRANSFER OILS	PRODUCT NAME			SKU NR AND PACKAGING		
	SUPRACAL 32			104500	104503	104501
						
				JERRYCAN 20 L	DRUM 208 L	IBC 1000 L
	APPLICATION			ADVANTAGES		
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>			
BASE OIL	VISCOSITY @ 40 °C (CST)	VISCOSITY @ 100 °C (CST)	VI	POURPOINT °C	FLASHPOINT °C	
Mineral	32	5.5	107	-33	224	

HEAT TRANSFER OILS	PRODUCT NAME			SKU NR AND PACKAGING	
	SUPRACAL 105			104496	104502
					
				JERRYCAN 20 L	IBC 1000 L
	APPLICATION			ADVANTAGES	
Highly refined mineral oil with paraffinic tendencies for heat transfer and thermal controls operating at temperatures up to 280°C. Supracal 105 is 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>		
BASE OIL	VISCOSITY @ 40 °C (CST)	VISCOSITY @ 100 °C (CST)	VI	POURPOINT °C	FLASHPOINT °C
Mineral	105	11.5	100	-17	270



HEAT TRANSFER OILS	PRODUCT NAME		SKU NR AND PACKAGING			
	SAFCAL 55		100786		100787	
						
			DRUM 60 KG		DRUM 205 KG	
	APPLICATION		ADVANTAGES			
Synthetic heat transfer fluid with exceptional properties and performance levels. Completely soluble in water, prevents from the craetion of sludge and gum deposits. Used in plastic and rubber, textile (treatment, finishing), pharmaceutical and chemical industry.		<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	POURPOINT °C	FLASHPOINT °C	
PAG	55	11	200	-37	244	

HEAT TRANSFER OILS	PRODUCT NAME		SKU NR AND PACKAGING		
	SAFCAL SI 50		100788		
					
			DRUM 200 KG		
	APPLICATION		ADVANTAGES		
Toxic-free heat transfer fluid with high viscosity index. Compatible with most plastics and rubbers, including EPDM types. Suitable as damping and heat transfer medium, lubrication of elastomers, bearings, plain bearings, joints, chains or lightly loaded rollers especially when they are from plastic. Applications: Release agent, damping media, hydraulic fluid, dielectric fluid, water repellant		<ul style="list-style-type: none"><li>• Minimal change in physical properties over a broad temperature range</li><li>• Excellent water-repellent properties</li><li>• Good dielectric properties</li><li>• Low surface tension and thus high surface activity</li><li>• Chemically highly unreactive</li><li>• Low solidifying point</li><li>• High flash point and high heat resistance</li><li>• Good solubility in a wide range of solvents</li></ul>			
BASE OIL	VISCOSITY @ 40 °C (CST)	VISCOSITY @ 100 °C (CST)	VI	POURPOINT °C	FLASHPOINT °C
Silicone	50			-55	> 250



# 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.

## **69-72** FOOD GRADE OILS

---

## **73** FOOD GRADE GREASES

---



# FOOD GRADE OILS

The MotulTech's Food Grade oils range are especially suitable for use in 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	SKU NR AND PACKAGING				
		PRODUCT NAME		106609		
		HYDRAULIC FG 32		IBC 1000 L		
RANGE		APPLICATION		ADVANTAGES		
		Suitable for the lubrication of hydraulic systems, plain and anti-friction bearings, light duty gearboxes and circulation systems in the food and beverage industry. Made from elements that are part of the Food and Drug Administration List FDA - 21 CFR 178.3570 NSF H1 certified - Certification numbers 151711.		<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>		
		BASE OIL	VISCOSITY @ 40 °C (CST)	VISCOSITY @ 100 °C (CST)	VI	FLASHPOINT °C
		Medicinal white oil	32	7	189	> 185



FOOD GRADE OILS	HYDRAULIC	SKU NR AND PACKAGING				
		PRODUCT NAME		100478		
		HYDRAULIC FG 46		JERRYCAN 17 KG		
RANGE		APPLICATION		ADVANTAGES		
		Suitable for the lubrication of hydraulic systems, plain and anti-friction bearings, light duty gearboxes and circulation systems in the food and beverage industry. Made from elements that are part of the Food and Drug Administration List FDA - 21 CFR 178.3570 NSF H1 certified - Certification numbers 139812.		<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>		
		BASE OIL	VISCOSITY @ 40 °C (CST)	VISCOSITY @ 100 °C (CST)	VI	FLASHPOINT °C
		Medicinal white oil	46	9	181	> 185

FOOD GRADE OILS	HYDRAULIC	SKU NR AND PACKAGING				
		PRODUCT NAME		102018		
		HYDRAULIC FG 100		JERRYCAN 20 L		
RANGE		APPLICATION		ADVANTAGES		
		Suitable for the lubrication of hydraulic systems, plain and anti-friction bearings, light duty gearboxes and circulation systems in the food and beverage industry. Made from elements that are part of the Food and Drug Administration List FDA - 21 CFR 178.3570 NSF H1 certified - Certification numbers 141163.		<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>		
		BASE OIL	VISCOSITY @ 40 °C (CST)	VISCOSITY @ 100 °C (CST)	VI	FLASHPOINT °C
		Medicinal white oil	100	15	155	> 190



FOOD GRADE OILS	HYDRAULIC	PRODUCT NAME			SKU NR AND PACKAGING	
		HYDRAULIC FG-F 32			104449	104451
	APPLICATION			ADVANTAGES		
	Especially appropriate for the lubrication of (plain) bearings, conveyor chains, hydraulic circuits particularly at low temperatures. They are the lubricant of choice in cold industries. NSF H1 certified - Certification number 147869.			<ul style="list-style-type: none"><li>• Reinforced anti-wear and anti-corrosion performance</li><li>• Excellent anti-foam properties</li><li>• Excellent water demulsibility</li><li>• High viscosity index</li><li>• Low pour point</li></ul>		
RANGE	BASE OIL	VISCOSITY @ 40 °C (CST)	VISCOSITY @ 100 °C (CST)	VI	POURPOINT °C	FLASHPOINT °C
	PAO	32	6	130	-50	240



FOOD GRADE OILS	HYDRAULIC	PRODUCT NAME		SKU NR AND PACKAGING		
		HYDRAULIC FG-V 46		101705		
	APPLICATION		ADVANTAGES			
	Especially appropriate for the lubrication of (plain) bearings, conveyor chains, hydraulic circuits particularly at low temperatures. They are the lubricant of choice in cold industries. NSF H1 certified - Certification number 139811.		<ul style="list-style-type: none"><li>• Reinforced anti-wear and anti-corrosion performance</li><li>• Excellent anti-foam properties</li><li>• Excellent water demulsibility</li><li>• High viscosity index</li><li>• Low pour point</li></ul>			
RANGE	BASE OIL	VISCOSITY @ 40 °C (CST)	VISCOSITY @ 100 °C (CST)	VI	POURPOINT °C	FLASHPOINT °C
	PAO	46	8.5	130	-45	250



		SKU NR AND PACKAGING				
FOOD GRADE OILS	GEAR	PRODUCT NAME		102098	101708	
		GEAR FG 150		 JERRYCAN 20 L	 DRUM 187 KG	
	RANGE	APPLICATION Suitable for the 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 FDA - 21 CFR 178.3570. NSF H1 certified - Certification numbers 139808.			ADVANTAGES <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>	
BASE OIL		VISCOSITY @ 40 °C (CST)	VISCOSITY @ 100 °C (CST)	VI	POURPOINT °C	FLASHPOINT °C
	Semi-synthetic	150	20	154	-10	> 205


FOOD GRADE OILS		SKU NR AND PACKAGING					
GEAR	PRODUCT NAME			101670	101671		
	GEAR FG 220				JERRYCAN 17 KG		DRUM 187 KG
	APPLICATION			ADVANTAGES			
RANGE	Suitable for the 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 FDA - 21 CFR 178.3570. NSF H1 certified - Certification numbers 139807.			<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>			
	BASE OIL	VISCOSITY @ 40 °C (CST)	VISCOSITY @ 100 °C (CST)	VI	POURPOINT °C	FLASHPOINT °C	
	Semi-synthetic	220	24	136	-10	> 205	






FOOD GRADE OILS	GEAR	SKU NR AND PACKAGING				
		PRODUCT NAME	102132	101690		
		<b>GEAR FG 320</b>		JERRYCAN 20 L		DRUM 185 KG
RANGE	APPLICATION		ADVANTAGES			
	Suitable for the 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 FDA - 21 CFR 178.3570. NSF H1 certified - Certification numbers 139806.		<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>			
	BASE OIL	VISCOSITY @ 40 °C (CST)	VISCOSITY @ 100 °C (CST)	VI	POURPOINT °C	FLASHPOINT °C
	Semi-synthetic	320	40	178	-15	> 210

FOOD GRADE OILS	GEAR	SKU NR AND PACKAGING				
		PRODUCT NAME	102520	101709		
		<b>GEAR FG 460</b>		JERRYCAN 20 L		DRUM 187 KG
RANGE	APPLICATION		ADVANTAGES			
	<ul style="list-style-type: none"> <li>• Suitable for the lubrication of plain bearings and loaded enclosed gears in the food and beverage industry.</li> <li>• Made from elements that are part of the Food and Drug Administration List FDA - 21 CFR 178.3570. NSF H1 certified - Certification numbers 139805.</li> </ul>		<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>			
	BASE OIL	VISCOSITY @ 40 °C (CST)	VISCOSITY @ 100 °C (CST)	VI	POURPOINT °C	FLASHPOINT °C
	Semi-synthetic	460	55	187	-15	> 220

FOOD GRADE OILS	GEAR	SKU NR AND PACKAGING				
		PRODUCT NAME	106184	101710		
		<b>GEAR FG 680</b>		JERRYCAN 20 L		DRUM 186 KG
RANGE	APPLICATION		ADVANTAGES			
	Suitable for the 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 FDA - 21 CFR 178.3570. NSF H1 certified - Certification numbers 139804.		<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>			
	BASE OIL	VISCOSITY @ 40 °C (CST)	VISCOSITY @ 100 °C (CST)	VI	POURPOINT °C	FLASHPOINT °C
	Semi-synthetic	680	65	167	-15	> 220

FOOD GRADE OILS	COMPRESSOR	SKU NR AND PACKAGING				
		PRODUCT NAME	101705			
		<b>COMPRESSOR FG 46</b>				DRUM 178 KG
RANGE	APPLICATION		ADVANTAGES			
	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 FDA - 21 CFR 178.3570. NSF H1 certified - Certification numbers 139810.		<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>			
	BASE OIL	VISCOSITY @ 40 °C (CST)	VISCOSITY @ 100 °C (CST)	VI	POURPOINT °C	FLASHPOINT °C
	Synthetic	46	7.6	130	-30	> 240


		SKU NR AND PACKAGING				
FOOD GRADE OILS	COMPRESSOR	PRODUCT NAME		102131		
		<b>COMPRESSOR FG 68</b>		 JERRYCAN 20 L		
		APPLICATION 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 FDA - 21 CFR 178.3570 NSF H1 certified - Certification numbers 139809.		ADVANTAGES <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>		
RANGE		BASE OIL Synthetic	VISCOSITY @ 40 °C (CST) 68	VISCOSITY @ 100 °C (CST) 10	VI 130	FLASHPOINT °C > 240




		SKU NR AND PACKAGING				
FOOD GRADE OILS	CHAIN	PRODUCT NAME		104486		104487
		<b>CHAIN FG 320</b>		 JERRYCAN 20 L		 DRUM 215 L
		APPLICATION Suitable for the lubrication of drive and transport chains in the food industry and equipment manufacturing food packaging industry. CHAIN FG are made from elements that appear in the Food an Drug Administration list FDA – 21 CFR 178.3570. NSF H1 certified - Certification number 147870.		ADVANTAGES <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>		
RANGE		BASE OIL Synthetic	VISCOSITY @ 40 °C (CST) 320	VISCOSITY @ 100 °C (CST) 34.1	VI 150	FLASHPOINT °C > 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....

FOOD GRADE GREASES	PRODUCT NAME				SKU NR AND PACKAGING			
	<b>CIMLUBE PAK 322</b>				101857			
					6 x CAN 1 KG			
	<b>APPLICATION</b> Suitable for all ball and roller bearings, smooth bearings, couplings, chains, open mesh gears, conveyors, guides, or valves in the presence of water, under heavy loads and at extreme temperatures. Suitable for all applications in the food processing and pharmaceutical industries. Not compatible with greases made from other bases. NSF H1 certified - Certification number 146840.				<b>ADVANTAGES</b> <ul style="list-style-type: none"> <li>• Strong affinities with metals</li> <li>• White solid lubricants for good lubricating properties</li> <li>• High level of resistance to loads</li> <li>• Excellent thermal stability</li> <li>• Good resistance to water, diluted acids and washing products</li> </ul>			
BASE OIL		BASE OIL VISCOSITY AT 40 °C	THICKENER	NLGI GRADE	TEMPERATURE RANGE °C	DROPPING POINT °C	4-BALL WELD LOAD KG	COLOUR
Synthetic		320	Aluminium Complex	2/3	-40 to 180 (200)	> 250		white

FOOD GRADE GREASES	PRODUCT NAME				SKU NR AND PACKAGING					
	TECH GREASE FG 2				102151  PAIL 25 KG		101672  12 x CAN 900 G		103198  24 x CARTRIDGE 400 G	
	APPLICATION Suitable for the lubrication of bearings, chains, joints, linkages and slides in the food and beverage industry. NSF H1 certified - Certification number 139436				ADVANTAGES <ul style="list-style-type: none"><li>• Excellent water resistance and corrosion protection</li><li>• Excellent shear stability and anti wear performance</li><li>• Superior adherence</li></ul>					
	BASE OIL	BASE OIL VISCOSITY AT 40 °C	THICKENER	NLGI GRADE	TEMPERATURE RANGE °C	DROPPING POINT °C	4-BALL WELD LOAD KG	COLOUR		
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.

## **75-76** 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.

AEROSOLS	PRODUCT NAME		SKU NR AND PACKAGING	
	<b>SAFCO SPRAY MULTILUBE</b>		106139  6 x 400 ML AEROSOL	
	<b>APPLICATION</b> Multifunctional lubricant, rust preventative, cleaner for any kind of industrial maintenance and daily workshop usage.		<b>ADVANTAGES</b> <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> Multi purpose Lubricant	<b>CONTAINER</b> 650 ml	<b>NET CONTENT</b> 400 ml	<b>FLASHPOINT °C</b> > 100

AEROSOLS	PRODUCT NAME		SKU NR AND PACKAGING	
	<b>SAFCO SPRAY 21</b>		106972  6 x 400 ML AEROSOL	
	<b>APPLICATION</b> Fast cleaning solvent degreaser for any kind of workshop and industrial usage. Can also be used as a temporary corrosion protection.		<b>ADVANTAGES</b> <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> Cleaner Degreaser	<b>CONTAINER</b> 650 ml	<b>NET CONTENT</b> 400 ml	<b>FLASHPOINT °C</b> 23

AEROSOLS	PRODUCT NAME		SKU NR AND PACKAGING	
	<b>EJECTOR LUBE</b>		107020  6 x 400 ML AEROSOL	
	<b>APPLICATION</b> High performance grease for ejector pin lubrication of plastic injection moulds.		<b>ADVANTAGES</b> <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> Ejector pin Lubricant	<b>CONTAINER</b> 650 ml	<b>NET CONTENT</b> 400 ml	<b>FLASHPOINT °C</b>

AEROSOLS	PRODUCT NAME		SKU NR AND PACKAGING	
	DEMOLD SPRAY		<div></div> <div>6 x 500 ML AEROSOL</div>	
	APPLICATION		ADVANTAGES	
	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>	
	USE	CONTAINER	NET CONTENT	FLASHPOINT °C
Release agent for plastic Injection		650 ml	400 ml	

AEROSOLS	PRODUCT NAME		SKU NR AND PACKAGING	
	INTENSE CLEANER		<div></div> <div>6 x 400 ML AEROSOL</div>	
	APPLICATION		ADVANTAGES	
	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>• Fast cleaning without chlorinated solvents</li><li>• High flame point</li><li>• Very fast cleaning time</li><li>• Works perfectly even on vertical surfaces</li></ul>	
	USE	CONTAINER	NET CONTENT	FLASHPOINT °C
	Heavy duty Cleaner gel	650 ml	400 ml	43





