



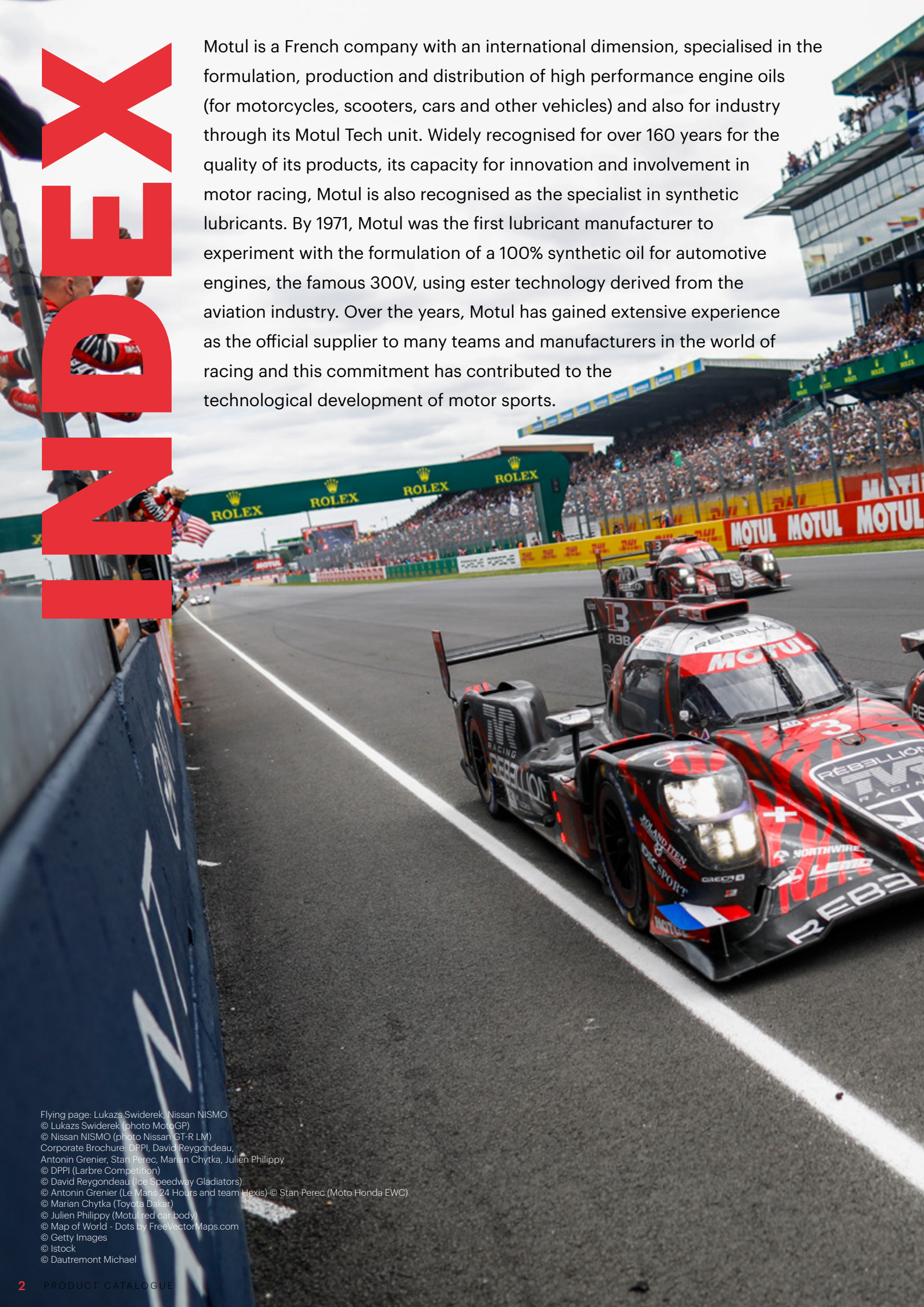
PRODUCT CATALOGUE

MOTUL **TECH**

**INDUSTRIAL
LUBRICANTS**

NEW

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



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INDUSTRIAL AND AUTOMOTIVE SECTORS ARE KNOWN FOR THEIR DYNAMISM AND CONTINUING EVOLUTION. PURSUING PERFECTION IMPLIES MASTERING EVERY SINGLE PROCESS THAT A COMPANY WILL HAVE TO FACE.



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

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



metal working lubricants



oils

compounds

emulsions

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



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

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



LA MARQUE SWAN-FINCH

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

garantie incontestable

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

"MOTUL" est préparée
exclusivement avec du GRADE A



Le Grade A est la

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

LES SCELLÉS D'ORIGINE

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

sécurité absolue !

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

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

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

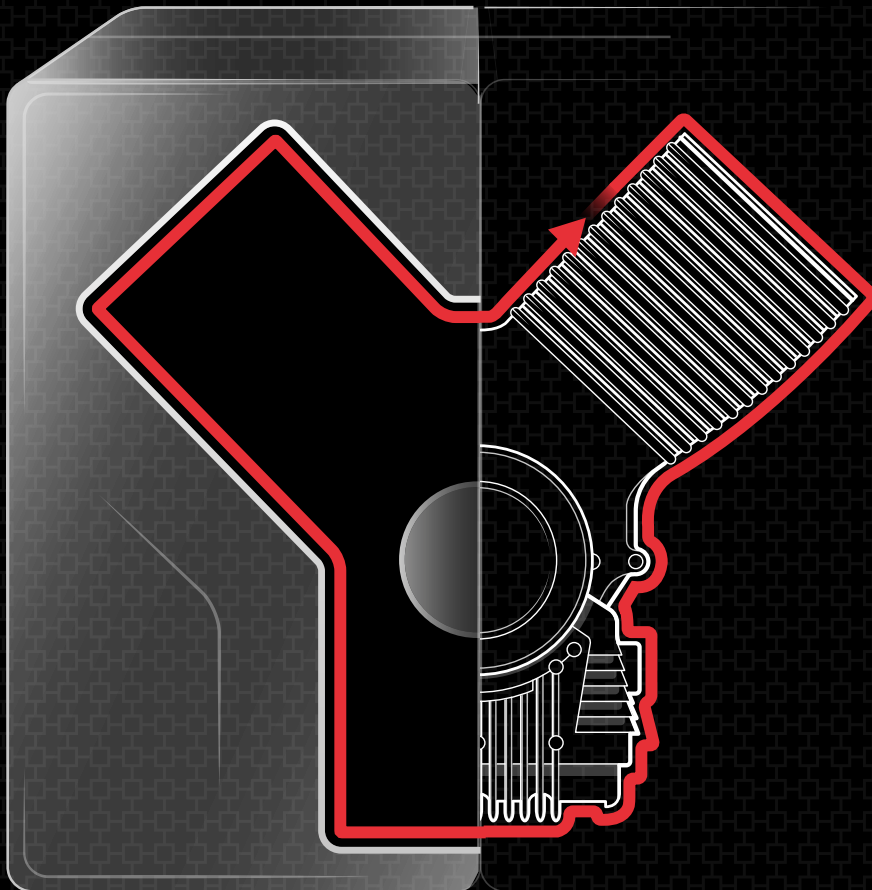
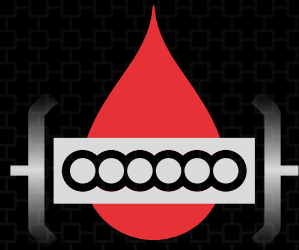
Utilisez pour le maintien de votre matériel
les incomparables graisses

MOTUL

MOTUL TECH

MOTUL GROUP

MOTUL TECH



1

CASTED

FROM MELTED METAL TO DIE CASTED
METAL BODIES



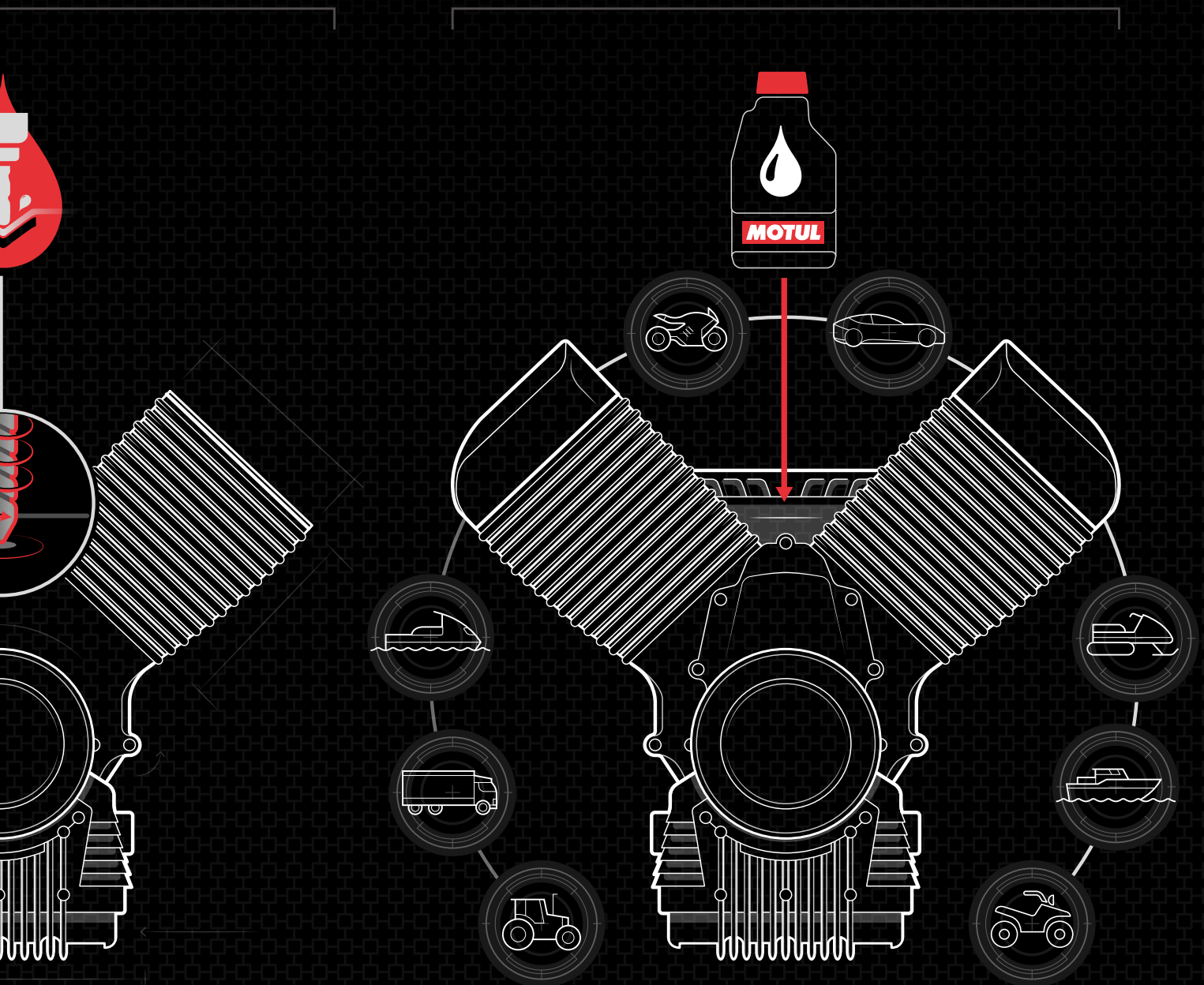
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DRI

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

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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/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 GRINDING & SUPERFINISHING

20-21 MINIMUM QUANTITY LUBRICATION



22-25 SOLUBLE MACHINING FLUIDS



27-31 HEAT TREATMENT




32-36 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 customized solution for each type of application and to make a rational choice by using the "multi-function" nature of certain references. Every reference has a specific viscosity and formulation established for every process by taking into account the working speeds, machining complexity and the quality required.



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



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



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




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


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



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




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




NEAT MACHINING OILS		SKU NR AND PACKAGING		
RANGE	SERIE	PRODUCT NAME	104753	104751
		SUPRACO 5040	 DRUM 208 L	 IBC 1000 L
		APPLICATION For severe machining like deep drilling, tapping, deep reaming, broaching operations and all hard machining on ferrous metals and high alloy steel (inconel, stainless steel, titanium).	ADVANTAGES • Free from organo-chlorinated additives. • Very high lubricating properties and Extreme Pressure capacity. • High cooling properties.	
		VISCOSITY @ 40°C (CST)	COPPER CORROSION	FLASH POINT °C
		40	4c	>190




NEAT MACHINING OILS		SKU NR AND PACKAGING		
RANGE	SERIE	PRODUCT NAME	108234	108236
		SUPRACO 5050	 JERRYCAN 20 L	 DRUM 208 L
			 IBC 1000 L	
		APPLICATION Severe machining such as deep drilling, broaching, threading and cutting on stainless steel and titanium.	ADVANTAGES • Free from organo-chlorinated additives. • Very high lubricating properties and Extreme Pressure capacity. • Good anti-wear properties.	
		VISCOSITY @ 40°C (CST)	COPPER CORROSION	FLASH POINT °C
		50	4c	>195




NEAT MACHINING OILS		SKU NR AND PACKAGING		
RANGE	SERIE	PRODUCT NAME	108719	
		SUPRACO SPRAY	 AEROSOL 650 mL	
		APPLICATION For very severe machining on all ferrous metals such as manual thread, comb thread, rolling thread, die thread, drilling, manual and semi-automatic tapping.	ADVANTAGES • Very high lubricating properties and Extreme Pressure capacity. • Good anti-wear properties. • Increase tool life.	
		VISCOSITY @ 40°C (CST)	COPPER CORROSION	FLASH POINT °C
		53	4c	100


NEAT MACHINING OILS		SKU NR AND PACKAGING		
RANGE	SERIE	PRODUCT NAME	104685	104603
		SUPRACUT 5030	 DRUM 208 L	 IBC 1000 L
		APPLICATION Severe machining such as deep drilling, broaching, threading and cutting on stainless steel and titanium. For ferrous metals only.	ADVANTAGES • Free from organo-chlorinated additives. • Very high Extreme Pressure properties. • High anti-wear properties.	
		VISCOSITY @ 40°C (CST)	COPPER CORROSION	FLASH POINT °C
		30	4c	>180




NEAT MACHINING OILS	SUPRACUT EVO	SUPRACUT EVO 200	SKU NR AND PACKAGING			
			PRODUCT NAME	107893  DRUM 208 L	107895  IBC 1000 L	108069  BULK
			SUPRACUT EVO 215			
			APPLICATION	ADVANTAGES		
			For all standard machining operations on ferrous and non-ferrous metals. Particularly suitable for machining operations on aluminium, brass, copper and all types of steels.	<ul style="list-style-type: none"> • Free from organo-chlorinated additives. • Reinforced lubricating properties. • Good anti-wear properties. • High flash point and high viscosity index. 		
			VISCOSITY @ 40°C (CST)	COPPER CORROSION	FLASH POINT °C	
RANGE	SERIE		15	1b	190	




NEAT MACHINING OILS	SUPRACUT EVO	SUPRACUT EVO 200	SKU NR AND PACKAGING			
			PRODUCT NAME	107894  DRUM 208 L	107896  IBC 1000 L	108113  BULK
			SUPRACUT EVO 230			
			APPLICATION	ADVANTAGES		
			For standard machining operations on ferrous and non-ferrous metals. Particularly suitable for machining of medium-hard to hard steel, titanium, aluminium, bronze and brass.	<ul style="list-style-type: none"> • Free from organo-chlorinated additives. • Reinforced lubricating properties. • Good anti-wear properties. • High flash point and high viscosity index. 		
			VISCOSITY @ 40°C (CST)	COPPER CORROSION	FLASH POINT °C	
RANGE	SERIE		30	1b	230	




NEAT MACHINING OILS	SUPRACUT EVO	SUPRACUT EVO 300	SKU NR AND PACKAGING			
			PRODUCT NAME	107928  DRUM 208 L	107929  IBC 1000 L	108107  BULK
			SUPRACUT EVO 315			
			APPLICATION	ADVANTAGES		
			For all standard turning operations of hard materials (steel, titanium and Inconel), non-ferrous metals and mild steels.	<ul style="list-style-type: none"> • Free from organo-chlorinated additives. • High lubricating and Extreme Pressure properties. • High flash point and high viscosity index. • Reduced oil consumption: less mist and less evaporation. • Improved resistance to oxidation. 		
			VISCOSITY @ 40°C (CST)	COPPER CORROSION	FLASH POINT °C	
RANGE	SERIE		15	1b	>210	




NEAT MACHINING OILS	SUPRACUT EVO	SUPRACUT EVO 300	SKU NR AND PACKAGING			
			PRODUCT NAME	107984  DRUM 208 L	107985  IBC 1000 L	107986  BULK
			SUPRACUT EVO 320			
			APPLICATION	ADVANTAGES		
			For all standard turning operations of hard materials (steel, titanium and Inconel), non-ferrous metals and mild steels.	<ul style="list-style-type: none"> • Free from organo-chlorinated additives. • High lubricating and Extreme Pressure properties. • High flash point and high viscosity index. • Reduced oil consumption: less mist and less evaporation. • Improved resistance to oxidation. 		
			VISCOSITY @ 40°C (CST)	COPPER CORROSION	FLASH POINT °C	
RANGE	SERIE		22	1b	>210	




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

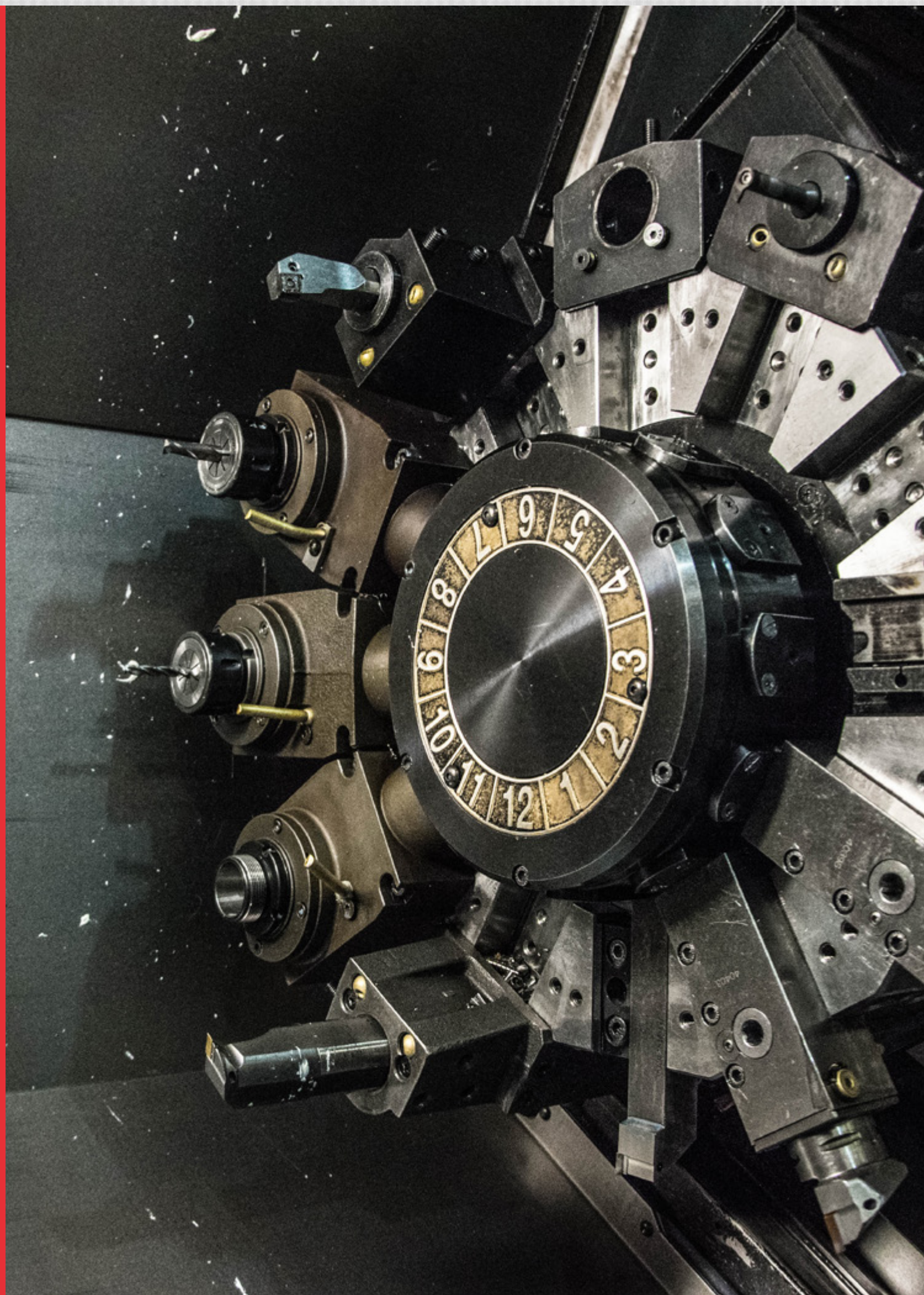
NEAT MACHINING OILS	SUPRACUT EVO	SUPRACUT EVO 300	SKU NR AND PACKAGING			
			PRODUCT NAME	108193	108194	108195
			<div>SUPRACUT EVO 345</div>	<div><div></div><div>DRUM 208 L</div></div>	<div><div></div><div>IBC 1000 L</div></div>	<div><div></div><div>BULK</div></div>
APPLICATION	ADVANTAGES					
For all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

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

NEAT MACHINING OILS	SUPRACO	SUPRACO 4000	SKU NR AND PACKAGING			
			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">• Good cooling properties. Extreme pressure and high wetting properties.• For difficult machining operations. The good oil film resistance reduces fumes burns and tool wear.		
			VISCOSITY @ 40°C (CST)	COPPER CORROSION		FLASH POINT °C
			22	1b		>200

NEAT MACHINING OILS	SUPRACUT EVO		SKU NR AND PACKAGING				
	SUPRACUT EVO 400	RANGE	SERIE	PRODUCT NAME	107732	107817	107792
				SUPRACO EVO 420	 DRUM 208 L	 IBC 1000 L	 BULK
				APPLICATION Difficult machining (drilling, milling, threading, reaming) on hard metals, stainless steel and hard steels, non ferrous metals.	ADVANTAGES <ul style="list-style-type: none">• Wide applications range.• High Extreme Pressure properties.• High flash point.• High viscosity index.• High oxidation resistance.		
				VISCOSITY @ 40°C (CST)	COPPER CORROSION	FLASH POINT °C	
				22	1b	>210	




NEAT MACHINING OILS	SUPRACUT EVO		SKU NR AND PACKAGING				
	SUPRACUT EVO 400	RANGE	SERIE	PRODUCT NAME	108217	108218	108219
				SUPRACUT EVO 430	 DRUM 208 L	 IBC 1000 L	 BULK
				APPLICATION For difficult machining on hard metals, stainless steel and hard steels and non ferrous metals.	ADVANTAGES <ul style="list-style-type: none">• Good cooling properties. Extreme pressure and high wetting properties.• For difficult machining operations. The good oil film resistance reduces fumes burns and tool wear.		
			VISCOSITY @ 40°C (CST)	COPPER CORROSION		FLASH POINT °C	
			30	1b		210	








GRINDING & SUPERFINISHING

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

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

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

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

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

PRODUCT NAME

PROFILINE XS8

SKU NR AND PACKAGING

107343



DRUM 208 L

107344



IBC 1000 L

APPLICATION

For grinding and sharpening operations with diamant or cubic boron nitride wheels of carbide and HSS tools.
Formulated with synthetic and biodegradable esters.

ADVANTAGES

- Free from organo-chlorinated additives.
- Compatible with all metals.
- High lubricating power and high pressure absorbing capacity.
- Good cooling properties.
- High flash point.
- Low mist

VISCOSITY @ 40°C (CST)

8

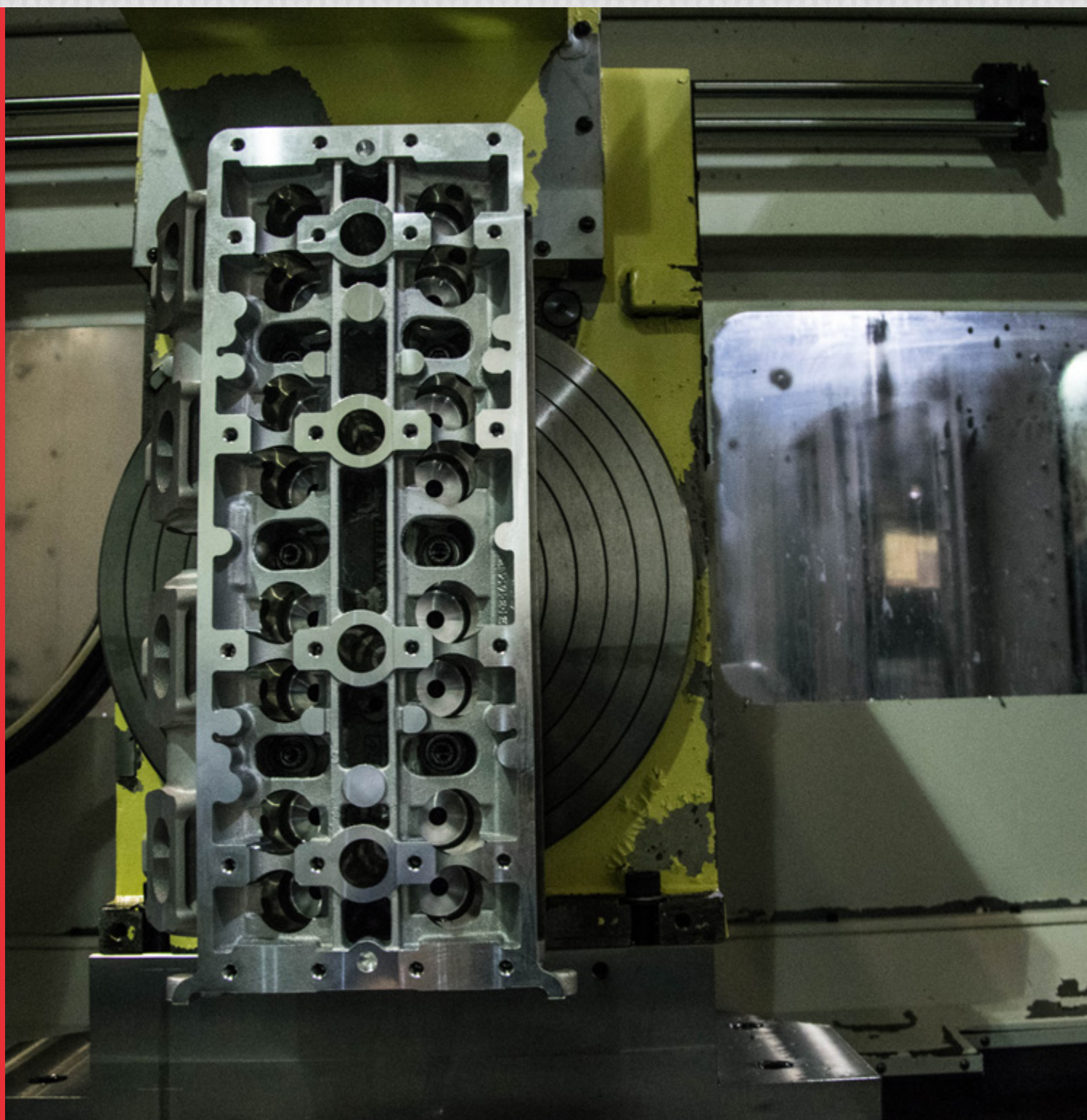
COPPER CORROSION

1a

FLASH POINT °C

>200

RANGE





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 E		104237	100561	
				JERRYCAN 20 L		DRUM 190 KG
	APPLICATION			ADVANTAGES		
For machining involving chips removal of ferrous and non-ferrous metals, with a micro-spray circulation system. Designed for operations of milling with milling and sawing tools, cutting and tapping.			<ul style="list-style-type: none">• High lubrication and anti-wear properties.• Very good wettability.• High viscosity index.• High flash point.			
RANGE	VISCOSITY @ 40°C (CST)		COPPER CORROSION		FLASH POINT °C	BASE OIL
	46		1a		>320	Ester

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

MINIMUM QUANTITY LUBRICATION	SUPRACO	PRODUCT NAME		SKU NR AND PACKAGING	
		SUPRACO 1315		105575	
					
					JERRYCAN 20 L
		APPLICATION For machining operations on all types of metals by micro-spraying: sawing, drilling, milling, tapping, reaming, broaching, bending, or punching operations on ferrous and non-ferrous metals, including those with poor machinability.		ADVANTAGES • High lubrication and anti-wear properties. • Very good wettability. • High viscosity index. • High flash point.	
		VISCOSITY @ 40°C (CST)	COPPER CORROSION	FLASH POINT °C	BASE OIL
		15	1a	>210	Ester + Vegetable Oil
	RANGE				

PRODUCT NAME

SUPRACO 1320 WR

SKU NR AND PACKAGING

102939



PAIL 50 KG

APPLICATION

For operations such as sawing, drilling, reaming, tapping and threading.
Leaves no residues on parts after drying.

ADVANTAGES

- Free from organo-chlorinated additives.
- Very high lubricating and Extreme Pressure properties.
- Stability to oxidation.
- Wide range of applications.
- Compatible with non-ferrous metals.

VISCOSITY @ 40°C (CST)

22

COPPER CORROSION

1a

FLASH POINT °C

180

BASE OIL




Synthetic Alcohol



RANGE






SOLUBLE MACHINING FLUIDS



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


SOLUBLE MACHINING FLUIDS	BIOCOOL	PRODUCT NAME		SKU NR AND PACKAGING		
		BIOCOOL 3210		105690	105693	105691
						
	APPLICATION Light to moderate grinding and machining operations on ferrous metals and titanium. Recommended for low to medium water hardness.		ADVANTAGES <ul style="list-style-type: none">• Formaldehydes free.• High cooling properties.• Approved by SNECMA on titanium.			
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 MACHINING FLUIDS	BIOCOOL	PRODUCT NAME		SKU NR AND PACKAGING	
		BIOCOOL 3520		108530	108318
					
	APPLICATION		ADVANTAGES		
Dedicated to carbides and hard steel grinding requiring advanced cooling properties.		<ul style="list-style-type: none">• Formaldehydes and formaldehydes releasers free.• Excellent biostability and stability in use.• Good separation from tramp oils.• Very good particles settling.• Avoid cobalt leaching.			
RANGE	TECHNOLOGY	APPEARANCE IN DILUTION	CONCENTRATION OF USE (depends on the application and the materials)	WATER HARDNESS	REFRACTOMETER FACTOR
	Synthetic fluid	Yellow	3 - 6%	0 - 600 ppm	2.4




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



SOLUBLE MACHINING FLUIDS	BIOCOOL	SKU NR AND PACKAGING				
		PRODUCT NAME		107852	106328	
		BIOCOOL 3820		 JERRYCAN 20 L	 DRUM 208 L	
RANGE		APPLICATION		ADVANTAGES		
		Light to moderate grinding and machining operations on ferrous metals and non ferrous metals. Recommended for low to medium water hardness.		<ul style="list-style-type: none"> • Boron free. • Formaldehydes free. • Good lubricity and cooling properties. • Excellent biostability and stability in use. • Good separation from tramp oils. 		
		TECHNOLOGY	APPEARANCE IN DILUTION	CONCENTRATION OF USE (depends on the application and the materials)	WATER HARDNESS	REFRACTOMETER FACTOR
		Synthetic fluid	Translucent	5 - 10%	0 - 600 ppm	2.1




SOLUBLE MACHINING FLUIDS	BIOCOOL	SKU NR AND PACKAGING				
		PRODUCT NAME		108938	108939	
		BIOCOOL 3110 GR		 JERRYCAN 20 L	 DRUM 208 L	
RANGE		APPLICATION		ADVANTAGES		
		For applications requiring advanced deaeration properties and strong cooling power. Ensures optimum conditions in all grinding operations: plane, cylindrical, internal and external, on ferrous metals and hard metals.		<ul style="list-style-type: none"> • Formaldehydes, formaldehydes releasers and boron free. • Excellent biostability and stability in use. • Good separation from tramp oils. • Excellent cooling and detergency properties. • Very good particles settling properties. 		
		TECHNOLOGY	APPEARANCE IN DILUTION	CONCENTRATION OF USE (depends on the application and the materials)	WATER HARDNESS	REFRACTOMETER FACTOR
		Synthetic fluid	Clear	3 - 6%	100 - 500 ppm	2.9


SOLUBLE MACHINING FLUIDS	BIOCOOL	SKU NR AND PACKAGING				
		PRODUCT NAME		108542		
		BIOCOOL 3837 GR		 DRUM 208 L		
RANGE		APPLICATION		ADVANTAGES		
		Moderate to severe grinding and machining operations on ferrous metals. Recommended for low to medium water hardness.		<ul style="list-style-type: none"> • Boron free. • Formaldehydes free. • Excellent air release properties. • Very good lubricity and cooling properties. • Improvement of tool life. 		
		TECHNOLOGY	APPEARANCE IN DILUTION	CONCENTRATION OF USE (depends on the application and the materials)	WATER HARDNESS	REFRACTOMETER FACTOR
		Synthetic fluid	Translucent	5 - 12%	0 - 400 ppm	1.5


SOLUBLE MACHINING FLUIDS	SAFKOOL	SKU NR AND PACKAGING				
		PRODUCT NAME		107692	106327	106509
		SAFKOOL 6110		 JERRYCAN 20 L	 DRUM 200 L	 IBC 1000 L
RANGE		APPLICATION		ADVANTAGES		
		Light to moderate grinding and machining on ferrous metals. Recommended for low to medium water hardness.		<ul style="list-style-type: none"> • Formaldehydes free. • High cooling properties. • Low consumption. • Very good biostability. • Cleanliness of machines and parts. 		
		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 - 400 ppm	2.3



SOLUBLE MACHINING FLUIDS	SAFKOOL	SKU NR AND PACKAGING				
		PRODUCT NAME		108525	100665	101995
		SAFKOOL 6220		 JERRYCAN 20 L	 DRUM 200 L	 IBC 1000 L
		APPLICATION Light to moderate machining operations on ferrous and non ferrous metals. Recommended for medium to very high water hardness.		ADVANTAGES <ul style="list-style-type: none">• Formaldehydes and bactericide free.• Excellent stability in hard waters.• Cleanliness of machines and parts.		
		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 - 15%	250 - 800 ppm	1.7




SOLUBLE MACHINING FLUIDS	SAFKOOL	PRODUCT NAME		SKU NR AND PACKAGING	
		SAFKOOL 6221		108527	108518
				 JERRYCAN 20 L	 DRUM 208 L
	APPLICATION		ADVANTAGES		
	Light to moderate machining and grinding operations on ferrous and non ferrous metals. Recommended for medium to high water hardness.		<ul style="list-style-type: none">• Excellent biostability.• Product free from chlorine, sulfur and phosphorous additives.• Product free from safety labelling.		
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 - 10%	300 - 600 ppm	1.9




SOLUBLE MACHINING FLUIDS	SAFKOOL	PRODUCT NAME		SKU NR AND PACKAGING			
		SAFKOOL 6420		105601	105600	105767	
				 JERRYCAN 20 L	 DRUM 200 L	 IBC 1000 L	
	APPLICATION		ADVANTAGES				
		Moderate to severe machining and grinding operations on all metals, including aerospace alloys. Recommended for soft to medium water hardness. Suitable for high pressure jet (up to 70 bars).		<ul style="list-style-type: none">• Formaldehydes free.• Good release of tramp oils.• Approved by SNECMA on aluminium and titanium.• Product free of safety labelling.• Reduction of tools wear and improvement of surface roughness.			
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 - 12%	50 - 600 ppm	1.65	




SOLUBLE MACHINING FLUIDS	SAFKOOL	PRODUCT NAME		SKU NR AND PACKAGING			
		SAFKOOL 6817 GR		107375			
				 DRUM 208 L			
	APPLICATION		ADVANTAGES				
Light to moderate machining and grinding operations on ferrous and non ferrous metals.		<ul style="list-style-type: none">• Boron free.• Formaldehydes free.• Very good cooling and detergency properties.• Very good particles settling properties.					
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 - 8%		100 - 500 ppm	1.5	




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


SOLUBLE MACHINING FLUIDS	STABILIS	PRODUCT NAME		SKU NR AND PACKAGING		
		STABILIS 9120		109073	109072	
						
				JERRYCAN 20 L	DRUM 208 L	
RANGE		APPLICATION		ADVANTAGES		
		Water soluble metalworking fluid concentrate dedicated for general machining of copper alloys, cast iron, steel and standard aluminum alloys.		<ul style="list-style-type: none">• Excellent lubricating and cooling properties.• Low foaming product.• Excellent biostability in use.		
		TECHNOLOGY	APPEARANCE IN DILUTION	CONCENTRATION OF USE (depends on the application and the materials)	WATER HARDNESS	REFRACTOMETER FACTOR
		Emulsion	Translucent orange	4 - 10%	200 - 600 ppm	0.88



SOLUBLE MACHINING FLUIDS	STABILIS	PRODUCT NAME		SKU NR AND PACKAGING							
		STABILIS 9220		108526	108509	108510					
											
				JERRYCAN 20 L	DRUM 200 L	IBC 1000 L					
RANGE		APPLICATION Light to moderate machining operations on ferrous and non ferrous metals. Suitable for medium to high hardness water.			ADVANTAGES • Formaldehydes free. • Good compromise between lubricating and cooling properties.						
		TECHNOLOGY		APPEARANCE IN DILUTION		CONCENTRATION OF USE (depends on the application and the materials)		WATER HARDNESS		REFRACTOMETER FACTOR	
		Emulsion		Fine emulsion		5 - 8%		100 - 600 ppm		1.2	

SOLUBLE FLUIDS MACHINING	STABILIS	PRODUCT NAME		SKU NR AND PACKAGING				
		STABILIS 9230		108529	108520	108523		
				JERRYCAN 20 L		DRUM 208 L		IBC 1000 L
	APPLICATION		ADVANTAGES					
RANGE	Medium to severe machining operations on ferrous and non ferrous metals, including all aerospace alloys. High pressure compatible (up to 70 bars)		<ul style="list-style-type: none">• Formaldehyde free.• High lubrication performance.• Optimization of surface roughness and finishes.• Approved by SNECMA on aluminium and titanium.					
	TECHNOLOGY	APPEARANCE IN DILUTION	CONCENTRATION OF USE (depends on the application and the materials)	WATER HARDNESS	REFRACTOMETER FACTOR			
	Emulsion	Fine emulsion	5 - 15%	100 - 400 ppm	1.0			

SOLUBLE MACHINING FLUIDS	STABILIS	PRODUCT NAME		106793	108517	105611
		STABILIS 9421		 JERRYCAN 20 L	 DRUM 208 L	 IBC 1000 L
		APPLICATION Micro-emulsion for all machining and grinding processes requiring high cooling and good lubricating properties. Recommended for the machining of ferrous and non-ferrous alloys. Suitable for soft water and high pressure jet.		ADVANTAGES <ul style="list-style-type: none">• High Speed Machining compatible.• Excellent stability and biostability in use.• Good release of tramp oils.• Excellent cooling and lubricating properties.		
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 - 8%		50 - 600 ppm	1.4

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

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



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




HEAT TREATMENT



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




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



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



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


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




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


HEAT TREATMENT	COLD QUENCHING	SKU NR AND PACKAGING			
		PRODUCT NAME	109328	109329	109342
		THERMIC TO26 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">• Reduced strain and crack risks.• Excellent thermic shock resistance.• Reduced calefaction area.• Reduced fire risks thanks to high flash point.• Range of working temperature: 30°C - 90°C.		
RANGE	VISCOSITY @ 40°C (CST)	FLASH POINT	COOLING SPEED		
	25	>210	Very		



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



HEAT TREATMENT	SEMI HOT QUENCHING	SKU NR AND PACKAGING		
		PRODUCT NAME	109330	109331
		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">• Reduced strain and crack risks.• Excellent thermic shock resistance.• Cost effective product, thanks to fluidity at working temperature.• Reduced calefaction area.• Reduced fire risks thanks to high flash point.	
	VISCOSITY @ 40°C (CST)	FLASH POINT	COOLING SPEED	
	32	>220	Very	



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




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


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

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

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

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

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

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

PRODUCT NAME

THERMIC FGP

SKU NR AND PACKAGING

100776



DRUM 210 KG

102009



IBC 1022 KG

APPLICATION

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

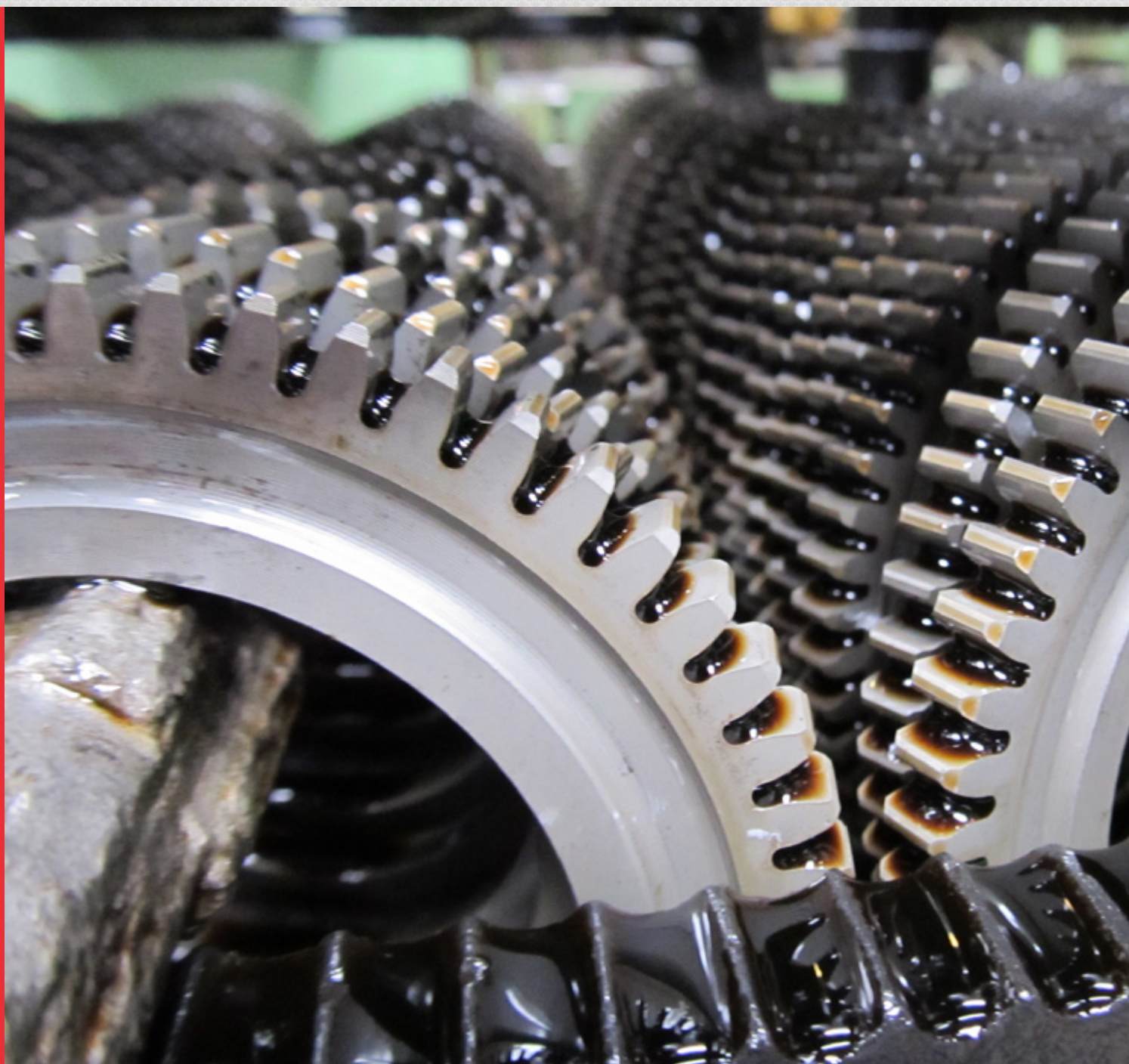
ADVANTAGES

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

VISCOSITY @ 40°C (CST)




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
RANGE







FORMING




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


FORMING	COLD HEADING	SKU NR AND PACKAGING			
		PRODUCT NAME	108488	108489	106185
		UNIVERSELLE 55 SC	 DRUM 208 L	 IBC 1000 L	 BULK
		APPLICATION Multi-purpose oil suitable for: <ul style="list-style-type: none">• Tapping by cutting or by deformation.• Rolling and threading by deformation.• Horizontal and vertical presses.• Machine-tools lubrication (anti-wear property).	ADVANTAGES <ul style="list-style-type: none">• Free from organo-chlorinated additives• Mixed use cold forging/lubrication.• Non staining on non-ferrous metals.• Very high extreme pressure capacities.• Not corrosive towards machine parts lubricated with oil flow.• Very high lubrication properties.		
RANGE	VISCOSITY @ 40°C (CST)	COPPER CORROSION	FLASH POINT °C		
	55	1b	>180		


FORMING	COLD HEADING	PRODUCT NAME		SKU NR AND PACKAGING	
		UNIVERSELLE 68 SC		<div>104866</div> <div></div> <div>DRUM 208 L</div>	<div>104855</div> <div></div> <div>IBC 1000 L</div>
		APPLICATION		ADVANTAGES	
	Multi-purpose oil suitable for: <ul style="list-style-type: none">• Tapping by cutting or by deformation.• Rolling and threading by deformation.• Horizontal and vertical presses.• Machine-tools lubrication (anti-wear property).		<ul style="list-style-type: none">• Free from organo-chlorinated additives.• Mixed use cold forging/lubrication.• Non staining on non-ferrous metals.• Very high extreme pressure capacities• Not corrosive towards machine parts lubricated with oil flow.• Very high lubrication properties.		
RANGE	VISCOSITY @ 40°C (CST)		COPPER CORROSION		FLASH POINT °C
	68		1b		214



FORMING	COLD HEADING	SKU NR AND PACKAGING					
		PRODUCT NAME		104875		104609	
		UNIVERSELLE 90 SC		 DRUM 208 L		 IBC 1000 L	
		APPLICATION Multi-purpose oil suitable for: <ul style="list-style-type: none">• Tapping by cutting or by deformation.• Rolling and threading by deformation.• Horizontal and vertical presses.• Machine-tools lubrication (anti-wear property).		ADVANTAGES <ul style="list-style-type: none">• Free from organo-chlorinated additives.• Mixed use cold forging/lubrication.• Non staining on non-ferrous metals.• Very high extreme pressure capacities• Not corrosive towards machine parts lubricated with oil flow.• Very high lubrication properties.			
RANGE	VISCOSITY @ 40°C (CST)		COPPER CORROSION		FLASH POINT °C		
	90		1a		222		


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


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



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



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


FORMING	COLD HEADING	SKU NR AND PACKAGING		
		PRODUCT NAME	105801	105910
		CENTER OIL FZ-8209E	 DRUM 208 L	 IBC 1000 L
		APPLICATION High-performance neat cold forming oil. Suitable for cold forging, stamping and drawing on steel, carbon steel, alloyed steel and stainless steel. Recommended for thick metal sheets (>6mm) stamping and cutting. For ferrous parts only.	ADVANTAGES • Non chlorinated. • Extended tool life for punches and dies. • Excellent performance for plate forming and bending. • Better parts finishing.	
RANGE		VISCOSITY @ 40°C (CST)	COPPER CORROSION	FLASH POINT °C
		387	4c	192



FORMING	STAMPING & BLANKING	SKU NR AND PACKAGING		
		PRODUCT NAME	100816	
		ELECTRIC 40A	 DRUM 180 KG	
		APPLICATION Neat oil used for the impregnation of induction core contactors, circuit breakers and other similar devices.	ADVANTAGES • Reduced compaction of induction metal sheet. • Can be used for both degreasing and impregnation before assembly. • Reduced consumption (less than 50 mg per assembly). • Water repellent, prevents scrubbing and oxidation.	
RANGE		VISCOSITY @ 40°C (CST)	COPPER CORROSION	FLASH POINT °C
		45	1a	216



FORMING	VANISHING OILS	SKU NR AND PACKAGING		
		PRODUCT NAME	104874	
		CADREX V877	 DRUM 200 L	
		APPLICATION Vanishing fluid designed for the forming and cutting of thin sheets of ferrous and non-ferrous metals.	ADVANTAGES • Multi-purpose and versatile thanks to its fluidity. • No degreasing step after metalworking. • Ready to use. • Contains an extreme-pressure, chlorine-free additive. • Compatible with non-ferrous metals.	
RANGE		VISCOSITY @ 40°C (CST)	COPPER CORROSION	FLASH POINT °C
		1.5	1a	74


FORMING	VANISHING OILS	SKU NR AND PACKAGING		
		PRODUCT NAME	104714	104715
		CADREX EV1100	 CAN 25 L	 DRUM 200 L
		APPLICATION Vanishing fluid, specifically designed for the forming and cutting of steel, stainless steel, aluminium and copper alloys. Complies with US FDA status and meets the requirements of the food industry.	ADVANTAGES • Odourless. • High evaporation rate. • Low surface tension. • Application: low pressure spraying, roller, impregnation by dipping.	
RANGE		VISCOSITY @ 40°C (CST)	COPPER CORROSION	FLASH POINT °C
		1.8	1a	62


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

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

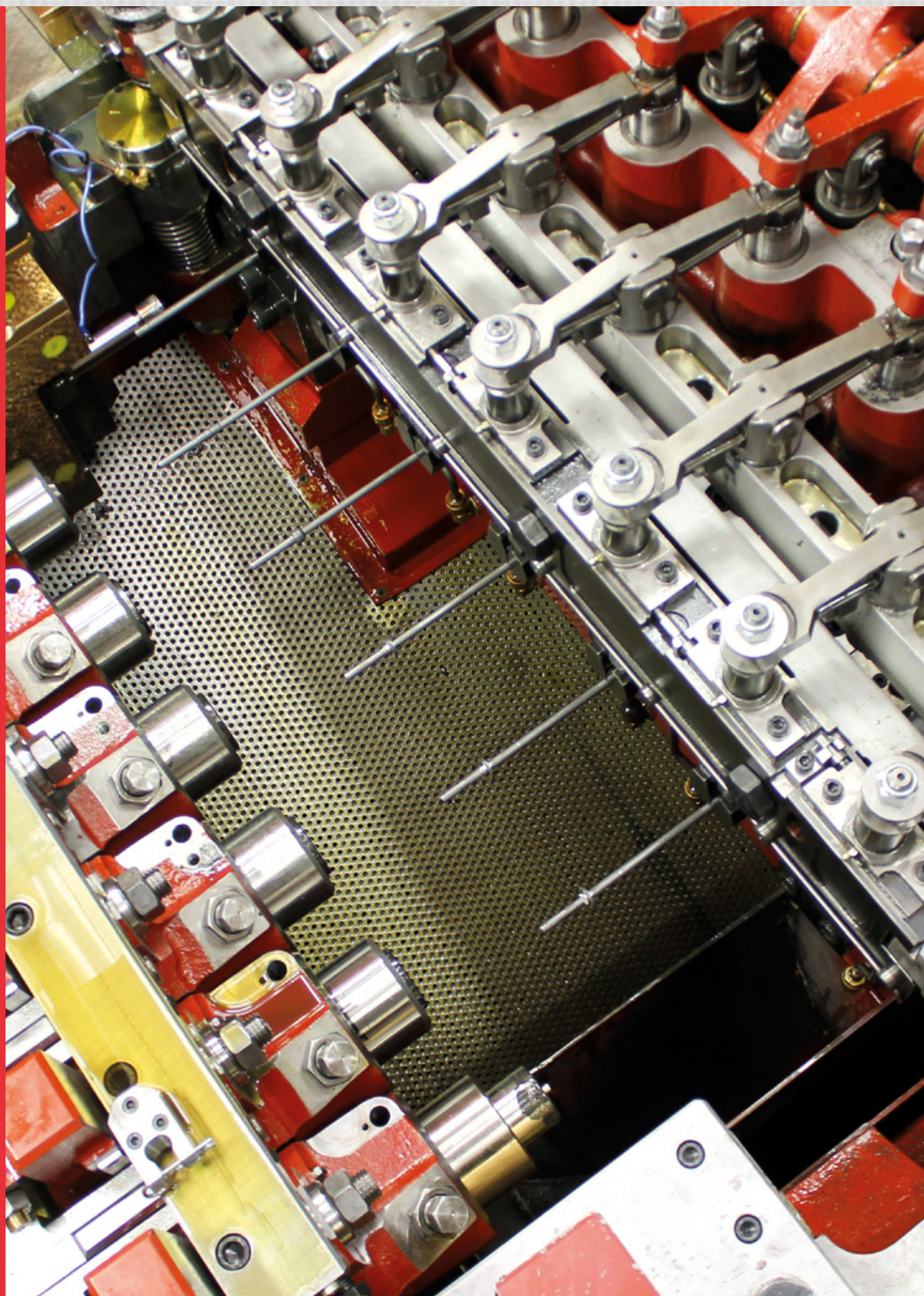
FORMING	VANISHING OILS	SKU NR AND PACKAGING		
		PRODUCT NAME	105676	105855
		CADREX EV4012	 CAN 25 L	 DRUM 200 L
		APPLICATION Vanishing fluid, specially designed for forming and cutting of steel, stainless steel, aluminum and copper alloys. Complies with US FDA status and meets the requirements of the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

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

FORMING	NEAT & SOLUBLE FORMING OILS	SKU NR AND PACKAGING	
		PRODUCT NAME	106980
		CADREX DR100 SC	 DRUM 208 L
		APPLICATION	ADVANTAGES
		Neat oil designed for drawing, bending, reshaping and fine cutting on all ferrous and non-ferrous metals, even under severe conditions. Approved by Renault.	<ul style="list-style-type: none">• Non chlorinated product.• No yellowing under HPRL lightning.• Provides short term protection if not rinsed.• Lubricant residues easy to clean before paint application.• No impact on the welding process such as bad connection or smoke formation.
RANGE	VISCOSITY @ 40°C (CST)	COPPER CORROSION	FLASH POINT °C
	100	1a	200

FORMING	NEAT & SOLUBLE FORMING OILS	SKU NR AND PACKAGING	
		PRODUCT NAME	106952
		CADREX DR220 SC	<div></div> DRUM 208 L
		APPLICATION	ADVANTAGES
		Neat oil designed for deep drawing, bending, reshaping and fine cutting on all ferrous and non-ferrous metals, under severe conditions. Approved by Renault.	<ul style="list-style-type: none">• 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)	COPPER CORROSION	FLASH POINT °C	
220	1a	220	
RANGE			

FORMING	NEAT & SOLUBLE FORMING OILS	PRODUCT NAME		SKU NR AND PACKAGING	
		CADREX FL100		106088	
		<p>APPLICATION</p> <p>Water soluble fluid for deformation, stamping and fine blanking operations from medium to heavy duty. Reinforced Extreme Pressure properties allowing operations on hard materials such as stainless steel.</p>		<p>ADVANTAGES</p> <ul style="list-style-type: none">• Very high lubrication properties.• Very high extreme pressure capacities.• Low foaming.• Excellent biostability.	
RANGE		VISCOSITY @ 40°C (CST)	COPPER CORROSION		FLASH POINT °C
		100	4b		>200



CLEANING & PROTECTION



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

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



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




39-40 CLEANERS




41-42 RUST PREVENTATIVES



CLEANERS


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


CLEANERS	SKU NR AND PACKAGING			
	PRODUCT NAME	104542	106130	
	SAFCO KLEEN 21	 CAN 25 L	 DRUM 200 L	
	APPLICATION Degreasing solvent for: <ul style="list-style-type: none"> • Degreasing mechanical and plastic parts. • Cleaning of excess glue or resin. • Preparation of surfaces prior to bonding or painting. • Cleaning polluted electrical equipment. • Maintenance in food processing environments. 	ADVANTAGES <ul style="list-style-type: none"> • Fast evaporation. • High purity index. • Excellent degreasing solvent suitable for considerable levels of pollution. • Large field of applications. 		
	SOLVING POWER (KB INDEX) 85	FLASH POINT 22°C	EVAPORATING RATE 10 min	COPPER CORROSION 1a

CLEANERS	SKU NR AND PACKAGING			
	PRODUCT NAME	104539	106137	100848
	SAFCO KLEEN 53	 CAN 25 L	 DRUM 200 L	 IBC 1000 L
	APPLICATION Metallic parts cleaning in food processing environment.	ADVANTAGES <ul style="list-style-type: none"> • NSF approval. • Odorless. • Operator friendly. • Advanced solvency properties facilitating the good decantation of pollutants. 		
	SOLVING POWER (KB INDEX) 50	FLASH POINT 33°C	EVAPORATING RATE 6 min	COPPER CORROSION 1a

CLEANERS	SKU NR AND PACKAGING			
	PRODUCT NAME	104540	106180	104637
	SAFCO KLEEN 60	 CAN 25 L	 DRUM 200 L	 IBC 1000 L
	APPLICATION Mechanical parts, metal or plastics cleaning of: <ul style="list-style-type: none"> • Metal working oils, fat or soap grease. • Temporary protection products. • Polluted substrates, organic or inorganic compounds. • Polluted electrical equipment and electric motors. 	ADVANTAGES <ul style="list-style-type: none"> • Compatible with all metals, including coated or precious metals. • Compatible with most thermoplastics and plastics. • Can be used on most composites. • High flash point. 		
	SOLVING POWER (KB INDEX) 33	FLASH POINT 56°C	EVAPORATING RATE 42 min	COPPER CORROSION 1a

CLEANERS	PRODUCT NAME		SKU NR AND PACKAGING	
	SAFCO KLEEN 92		104541  CAN 25 L	108501  DRUM 200 L
	APPLICATION <ul style="list-style-type: none"> Multi-purpose product. Cleaning of non-polymerized excess glues or resins. Cleaning of ink. Surface preparation. Defluxing. 		ADVANTAGES <ul style="list-style-type: none"> Multi-purpose. Product without flashpoint. Fast evaporation. Compatible with metals, some plastics and elastomers. 	
	SOLVING POWER (KB INDEX)	FLASH POINT	EVAPORATING RATE	COPPER CORROSION
	115	NA	15 min	1a



CLEANERS	PRODUCT NAME		SKU NR AND PACKAGING	
	SAFCO KLEEN VF150		102521 	DRUM 200 L
	APPLICATION Fountain degreasing fluid. Removal of all used lubricants, metalworking fluids (soluble and neat), protection fluids, tars...		ADVANTAGES <ul style="list-style-type: none"> VOC free. Odourless. Vegetable oil base. Non-flammable. Good dermatological behavior. Good compatibility with all materials. NSF approval. 	
	SOLVING POWER (KB INDEX)	FLASH POINT	EVAPORATING RATE	COPPER CORROSION
	50	103°C	does not evaporate	1a



CLEANING & PROTECTION	PRODUCT NAME		SKU NR AND PACKAGING	
	SAFCO KLEEN VF200		103126 	DRUM 200 L
	APPLICATION Technical fluid specifically developed to replace petroleum and chlorinated solvents in their applications to cold or hot surface. Suitable for sensitive materials and confined environments. Cleaning or degreasing of mechanical parts or machining fluid residues.		ADVANTAGES <ul style="list-style-type: none"> Vegetable ester based. VOC free. Non-flammable. Flash point over 170 ° C, avoiding any ATEX risks. Compatible with most materials, metals, plastics, elastomers, rubber, painted surfaces. 	
	SOLVING POWER (KB INDEX)	FLASH POINT	EVAPORATING RATE	COPPER CORROSION
	>100	>170°C	does not evaporate	1a



RUST PREVENTATIVES




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

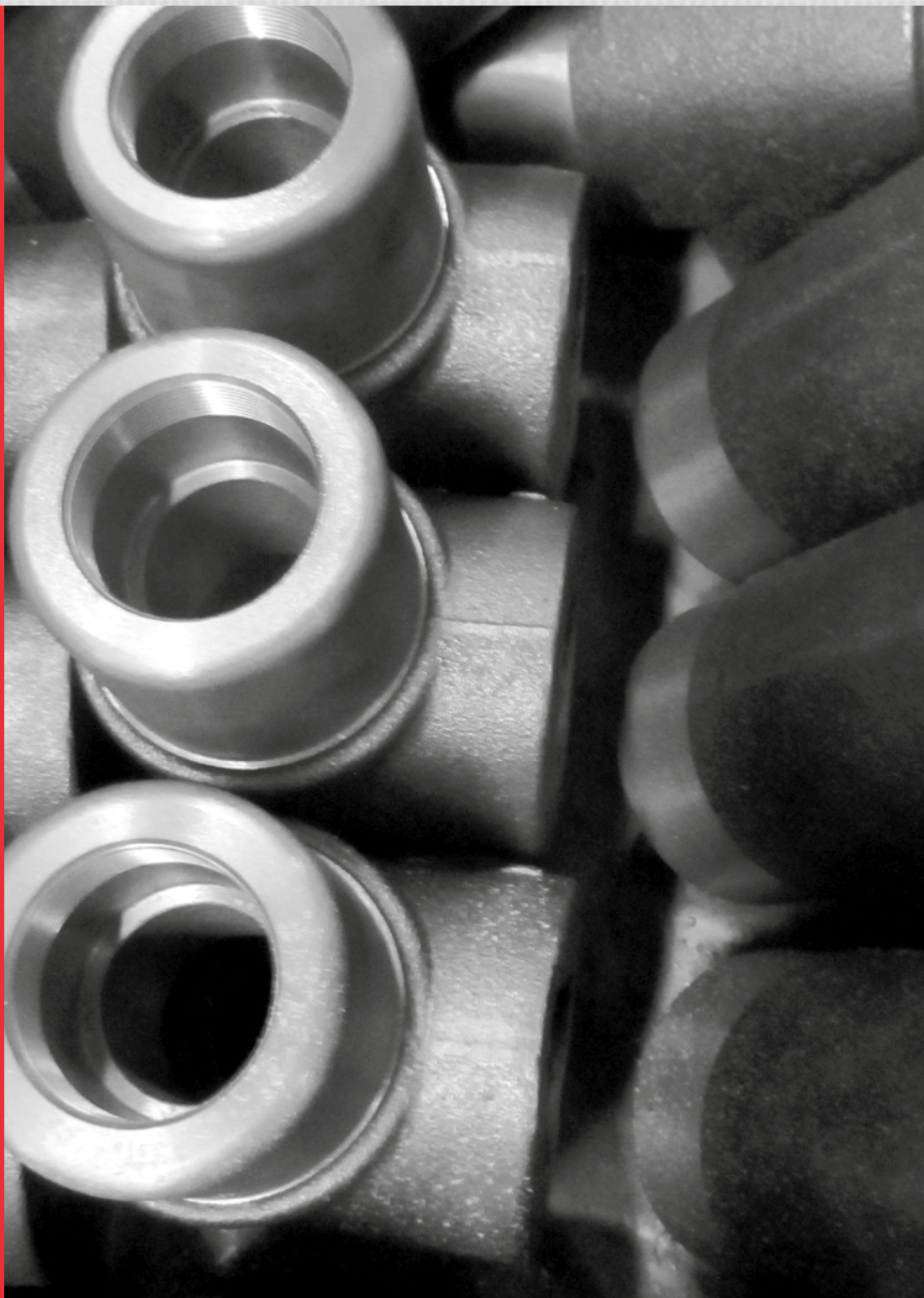
The MotulTech range of rust preventatives, formulated using barium-free additives, offers a range of high-performance solutions for industrial metal protection problems. All the solvent-based protection products of the range have, first and foremost, a water-repellent action. This makes it possible to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

RUST PREVENTATIVES	SOLVENT BASE	SKU NR AND PACKAGING		
		PRODUCT NAME	105806	105807
		MT SOLV PROTECT		
		APPLICATION	JERRYCAN 20 L	
		Highly water repellent fluid for corrosion protection of metal parts or assemblies. Recommended for interoperation or short term corrosion prevention of metallic parts or components.	DRUM 200 L	
			IBC 1000 L	
		ADVANTAGES		
		• Prevents corrosion of metal parts by hand contact. • Repels water from part very quickly. • Fast evaporation rate. • Well adapted for interoperation protection. • Without barium or hazardous components. • Based on low odor raw materials.		
TYPE		FILM THICKNESS	FLASH POINT °C	EVAPORATION SPEED
		0,5 µm	>70 °C	Fast

RUST PREVENTATIVES	OIL BASE	SKU NR AND PACKAGING		
		PRODUCT NAME	105573	105574
		MT OIL PROTECT		
		APPLICATION	JERRYCAN 20 L	
		Oily fluid, water repellent, for short to medium term protection of metal parts.	DRUM 200 L	
		ADVANTAGES		
		• Repels water from parts very quickly. • Prevents corrosion of parts by hand contact. • Good demulsification. • Well suited to the interoperation protection. • No barium or hazardous components. • Based on low odor materials.		
TYPE		FILM THICKNESS	FLASH POINT °C	EVAPORATION SPEED
		7 µm	>204 °C	Moderate

RUST PREVENTATIVES	WAX IN SOLVENT	SKU NR AND PACKAGING		
		PRODUCT NAME	105798	105799
		MT STORE PROTECT		
		APPLICATION	JERRYCAN 20 L	
		Waxy rust preventative fluid, for medium to long term protection of metallic parts and assemblies stored indoor or outdoor under shelter.	DRUM 200 L	
		ADVANTAGES		
		• Medium to long term protection. • Repels water from part very quickly. • Slow evaporation rate. • Fast desemulsification. • Without barium or hazardous components. • Based on low odor raw materials.		
TYPE		FILM THICKNESS	FLASH POINT °C	EVAPORATION SPEED
		2 µm	>114 °C	Moderate

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



EQUIPMENT & SPECIALITY LUBRICANTS

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

46 GENERAL LUBRICATION

76 FOOD GRADE LUBRICANTS

82 MAINTENANCE PRODUCTS

03
04
05



GENERAL LUBRICATION



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

47-55 HYDRAULIC

56 MULTIFUNCTIONAL OILS

57-61 GEAR OILS / GEAR GREASES

62-63 SLIDEWAY OILS / SLIDEWAY GREASE

64-65 SPINDLE OILS

66 CHAIN OILS



67-70 GREASES & PASTES




71-73 COMPRESSOR OILS

74-75 HEAT TRANSFER OILS




HYDRAULIC


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





HYDRAULIC	MULTIFUNCTIONAL	PRODUCT NAME			SKU NR AND PACKAGING			
		RUBRIC SAE 10W			104852	104806		
						JERRYCAN 20 L		DRUM 208 L
		APPLICATION & PERFORMANCE			ADVANTAGES			
	High-tech lubricant suitable for hydraulic systems where an oil according to SAE specifications is recommended by the manufacturer.			<ul style="list-style-type: none">• Excellent anti-wear properties.• Anti-oxidation and anti-corrosion properties.• Excellent anti-foam properties.• Very good stability against hydrolysis.• High thermal stability.				
STANDARD: API CF / SF								
SPECIFICATIONS: CATERPILLAR.								
RANGE	VISCOSITY @ 40°C (CST)	VISCOSITY @ 100°C (CST)	VI	BASE OIL	POUR POINT °C	FLASH POINT °C		
	30	5.2	103	Mineral	-36	226		





HYDRAULIC	HH - HL	PRODUCT NAME		SKU NR AND PACKAGING			
		RUBRIC AW 22		108162  JERRYCAN 4x5 L	104628  JERRYCAN 20 L	108460  DRUM 208 L	
		APPLICATION & PERFORMANCE Anti-corrosive and anti-oxidative hydraulic and circulating oil. Can be used for pneumatic lubricators. STANDARDS: <ul style="list-style-type: none">• ISO 11158 category HL ; ISO 6743-4 category HL• DIN 51524 part 1, HL• NF E 48603 HL		ADVANTAGES <ul style="list-style-type: none">• Excellent anti-wear, anti-oxidation and anti-corrosion properties.• Excellent anti-foam properties.• Very good stability against hydrolysis.• High thermal stability.• Higher system efficiency, less service down-time.• Extended equipments life.			
		VISCOSITY @ 40°C (CST)	VISCOSITY @ 100°C (CST)	VI	BASE OIL	POUR POINT °C	FLASH POINT °C
	22	4.3	100	Mineral	-33	206	
	RANGE						





HYDRAULIC	HH - HL	PRODUCT NAME			SKU NR AND PACKAGING		
		RUBRIC B 46			108462		
	APPLICATION & PERFORMANCE			ADVANTAGES			
	Anti-corrosive and anti-oxidative hydraulic and circulating oil.			• Excellent anti-wear, anti-oxidation and anti-corrosion properties			
	STANDARDS:			• Excellent anti-foam properties.			
• ISO 11158 category HL ; ISO 6743-4 category HL			• Very good stability against hydrolysis.				
• DIN 51524 part 1, HL			• High thermal stability.				
• NF E 48603 HL			• Higher system efficiency, less service down-time.				
			• Extended equipments life.				
RANGE	VISCOSITY @ 40°C (CST)		VISCOSITY @ 100°C (CST)	VI	BASE OIL	POUR POINT °C	FLASH POINT °C
	46		6.8	102	Mineral	-27	242





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



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




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



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




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





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




HYDRAULIC	HM - HLPD	PRODUCT NAME			SKU NR AND PACKAGING		
		RUBRIC HLPD 32			107307	107308	
					 JERRYCAN 20 L	 DRUM 208 L	
	APPLICATION & PERFORMANCE			ADVANTAGES			
Hydraulic fluid based on mineral oil with detergent and dispersant qualities. Delivers reliable performance and ultimate cleanliness in applications contaminated by aqueous products such as metalworking fluids.			<ul style="list-style-type: none">• 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.				
STANDARDS: <ul style="list-style-type: none">• DIN 51524 part 2 (HLP)• DBL 6721							
RANGE	VISCOSITY @ 40°C (CST)		VISCOSITY @ 100°C (CST)	VI	BASE OIL	POUR POINT °C	FLASH POINT °C
	32		5.6	114	Mineral	-12	224


HYDRAULIC	HM - HLPD	PRODUCT NAME			SKU NR AND PACKAGING		
		RUBRIC HLPD 46			107309	107310	107333
					 JERRYCAN 20 L	 DRUM 208 L	 IBC 1000 L
	APPLICATION & PERFORMANCE 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. STANDARDS: • DIN 51524 part 2 (HLP) • DBL 6721			ADVANTAGES • 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	FLASH POINT °C
		46	6.9	106	Mineral	-21	234



HYDRAULIC	HM - HLPD	SKU NR AND PACKAGING				
		PRODUCT NAME	107311	107312		
		RUBRIC HLPD 68			JERRYCAN 20 L	DRUM 208 L
RANGE		APPLICATION & PERFORMANCE	ADVANTAGES			
		Hydraulic fluid based on mineral oil with detergent and dispersant qualities. Delivers reliable performance and ultimate cleanliness in applications contaminated by aqueous products such as metalworking fluids. STANDARDS: • DIN 51524 part 2 (HLP) • DBL 6721	<ul style="list-style-type: none"> • 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. 			
		VISCOSITY @ 40°C (CST)	VISCOSITY @ 100°C (CST)	VI	BASE OIL	FLASH POINT °C
		68	9.3	113	Mineral	248




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



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



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





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





HYDRAULIC	HM CLEAN TECHNOLOGY	PRODUCT NAME		SKU NR AND PACKAGING			
		RUBRIC CLEAN HM 32		106747	106748		
							
				JERRYCAN 20 L	DRUM 208 L		
		APPLICATION & PERFORMANCE		ADVANTAGES			
		Premium anti-wear hydraulic oil designed to prevent varnish from depositing on internal system components in hydraulic systems. Second part of a Hydraulic Clean Package.		<ul style="list-style-type: none">• Prevents formation of varnish and sludge deposits.• Extended pump protection.• Lowers maintenance and downtime costs.• Excellent wear, rust and corrosion protection.• Excellent oxidation and thermal stability.• Excellent filtration properties.• Maintains cycle times with clean equipment.			
		STANDARDS:					
		<ul style="list-style-type: none">• Parker Denison HF-O• MAG IAS (ex Cincinnati Machine)• P-68, P70, P69		<ul style="list-style-type: none">• DIN 51524 part 1, 2• Eaton Brochure 03-401-2010			
RANGE		VISCOSITY @ 40°C (CST)	VISCOSITY @ 100°C (CST)	VI	BASE OIL	POUR POINT °C	FLASH POINT °C
		32	5.7	114	Mineral	-39	214




HYDRAULIC	HM CLEAN TECHNOLOGY	SKU NR AND PACKAGING					
		PRODUCT NAME		104484	104485	107163	
		RUBRIC CLEAN HM 46		 JERRYCAN 20 L	 DRUM 208 L	 IBC 1000 L	
		APPLICATION & PERFORMANCE		ADVANTAGES			
		Premium anti-wear hydraulic oil designed to prevent varnish from depositing on internal system components in hydraulic systems. Second part of a Hydraulic Clean Package.		• Prevents formation of varnish and sludge deposits. • Extended pump protection. • Lowers maintenance and downtime costs. • Excellent wear, rust and corrosion protection. • Excellent oxidation and thermal stability. • Excellent filtration properties. • Maintains cycle times with clean equipment.			
		STANDARDS:					
		• Parker Denison HF-O • MAG IAS (ex Cincinnati Machine) P-68, P70, P69		• DIN 51524 part 1, 2 • Eaton Brochure 03-401-2010			
RANGE		VISCOSITY @ 40°C (CST)	VISCOSITY @ 100°C (CST)	VI	BASE OIL	POUR POINT °C	FLASH POINT °C
		45	7.1	116	Mineral	-36	224




HYDRAULIC	HM CLEAN TECHNOLOGY	PRODUCT NAME		SKU NR AND PACKAGING			
		RUBRIC CLEAN HM 68		107017	107018		
							
				JERRYCAN 20 L	DRUM 208 L		
		APPLICATION & PERFORMANCE		ADVANTAGES			
		Premium anti-wear hydraulic oil designed to prevent varnish from depositing on internal system components in hydraulic systems. Second part of a Hydraulic Clean Package.		<ul style="list-style-type: none">• Prevents formation of varnish and sludge deposits.• Extended pump protection.• Lowers maintenance and downtime costs.• Excellent wear, rust and corrosion protection.• Excellent oxidation and thermal stability.• Excellent filtration properties.• Maintains cycle times with clean equipment.			
		STANDARDS:					
		<ul style="list-style-type: none">• Parker Denison HF-O• MAG IAS (ex Cincinnati Machine)• P-68, P70, P69		<ul style="list-style-type: none">• DIN 51524 part 1, 2• Eaton Brochure 03-401-2010			
RANGE		VISCOSITY @ 40°C (CST)	VISCOSITY @ 100°C (CST)	VI	BASE OIL	POUR POINT °C	FLASH POINT °C
		70	9.3	110	Mineral	-34	238


HYDRAULIC	HV	SKU NR AND PACKAGING					
		PRODUCT NAME		104286	101784		
		RUBRIC HV 22					
				JERRYCAN 20 L		DRUM 208 L	
RANGE	HV	APPLICATION & PERFORMANCE		ADVANTAGES			
		Lubrication of hydraulic systems working under severe conditions and at low and high temperature.		• Excellent anti-wear & anti-corrosion properties. • Excellent oxidation resistance. • Excellent desemulsion and filterability. • Excellent thermal and hydrolysis stability. • High viscosity index & very low pour point.			
		STANDARDS:					
		• DENISON HF-O • ISO 11158 categories HV		• ISO 6743-4 categories HV • DIN 51524 part 3, HVLP • NFE 48603 HV			
RANGE	HV	VISCOSITY @ 40°C (CST)	VISCOSITY @ 100°C (CST)	VI	BASE OIL	POUR POINT °C	FLASH POINT °C
		22	4.7	140	Mineral	-45	204




HYDRAULIC	HV	SKU NR AND PACKAGING					
		PRODUCT NAME		108760	108870	108764	101789
		RUBRIC HV 32					
				JERRYCAN 20 L	DRUM 208 L	IBC 1000 L	BULK
RANGE		APPLICATION & PERFORMANCE		ADVANTAGES			
		Lubrication of hydraulic systems working under severe conditions and at low and high temperature.		• Excellent anti-wear & anti-corrosion properties. • Excellent oxidation resistance. • Excellent desemulsion and filterability. • Excellent thermal and hydrolysis stability. • High viscosity index & very low pour point.			
		STANDARDS: • DENISON HF-0 • ISO 11158 categories HV • ISO 6743-4 categories HV		• DIN 51524 part 3, HVLP • NF E 48603 HV			
VISCOSITY @ 40°C (CST)		VISCOSITY @ 100°C (CST)	VI	BASE OIL	POUR POINT °C	FLASH POINT °C	
32		6.5	161	Mineral	-36	204	




HYDRAULIC	HV	SKU NR AND PACKAGING					
		PRODUCT NAME		108767	108761	108768	104623
		RUBRIC HV 46		 JERRYCAN 20 L	 DRUM 208 L	 IBC 1000 L	 BULK
		APPLICATION & PERFORMANCE Lubrication of hydraulic systems working under severe conditions and at low and high temperature. STANDARDS: • DENISON HF-0 • ISO 11158 categories HV • ISO 6743-4 categories HV		ADVANTAGES • Excellent anti-wear & anti-corrosion properties. • Excellent oxidation resistance. • Excellent desemulsion and filterability. • Excellent thermal and hydrolysis stability. • High viscosity index & very low pour point.			
RANGE	VISCOSITY @ 40°C (CST)		VISCOSITY @ 100°C (CST)	VI	BASE OIL	POUR POINT °C	FLASH POINT °C
	46		8.2	155	Mineral	-36	224

HYDRAULIC	HV	SKU NR AND PACKAGING				
		PRODUCT NAME		108769	108796	108798
	RUBRIC HV 68					
	APPLICATION & PERFORMANCE		JERRYCAN 20 L	DRUM 208 L	IBC 1000 L	
RANGE	APPLICATION & PERFORMANCE		ADVANTAGES			
	Lubrication of hydraulic systems working under severe conditions and at low and high temperature.		<ul style="list-style-type: none">• Excellent anti-wear & anti-corrosion properties.• Excellent oxidation resistance.• Excellent demulsification and filterability.• Excellent thermal and hydrolysis stability.• High viscosity index & very low pour point.			
	STANDARDS:					
	• DENISON HF-O		• DIN 51524 part 3, HVLP			
	• ISO 11158 categories HV		• NF E 48603 HV			
			• ISO 6743-4 categories HV			
	VISCOSITY @ 40°C (CST)	VISCOSITY @ 100°C (CST)	VI	BASE OIL	POUR POINT °C	FLASH POINT °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 50 KG	DRUM 190 KG	
RANGE	APPLICATION & PERFORMANCE			ADVANTAGES				
	High performance hydraulic fluid based on synthetic esters with a high level of biodegradability (> 90% in 21 days). Recommended for all hydraulic systems. STANDARDS: • European Ecolabel • Blue Angel approval • Bosch Rexroth RE 90221-01			• Excellent thermal stability. • Excellent anti-wear performance and oxidation resistance. • Good filtrability. • Excellent demulsion. • High viscosity index.				
	VISCOSITY @ 40°C (CST)	VISCOSITY @ 100°C (CST)	VI	BASE OIL	POUR POINT °C	FLASH POINT °C		
	49.5	9.8	186	Synthetic	< -30	> 310		




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

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

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

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



HYDRAULIC	HFC	PRODUCT NAME			SKU NR AND PACKAGING		
		RUBRIC HFC 40			104505	104516	
					 DRUM 208 L	 IBC 1000 L	
	APPLICATION & PERFORMANCE			ADVANTAGES			
Fire resistant hydraulic fluid - HFC type (Water - Glycol). For all areas where the risk of a fire hazard exists (steel industry, heat treatment shops...) and/or when a good biodegradability is important. Fulfils all requirements of the 7th Luxemburg Report.			<ul style="list-style-type: none">• Excellent fire resistance properties.• High lubricity and anti-wear characteristics.• Excellent corrosion protection.• Long term stability.				
RANGE	VISCOSITY @ 40°C (CST)		VISCOSITY @ 100°C (CST)	VI	BASE OIL	POUR POINT °C	FLASH POINT °C
	40		9	> 150	Synthetic	-50	none



HYDRAULIC	HFDU	SKU NR AND PACKAGING				
		PRODUCT NAME		TO BE ANNOUNCED	TO BE ANNOUNCED	TO BE ANNOUNCED
		RUBRIC HFDU 46		 JERRYCAN 20 L	 DRUM 208 L	 IBC 1000 L
	APPLICATION & PERFORMANCE		ADVANTAGES			
	Fire resistant, biodegradable high quality synthetic hydraulic fluid for all hydraulic systems, lubrication and circulating system where EP characteristics are not required and/or where there are potential risks of fire and / or water contamination.		<ul style="list-style-type: none">• Excellent resistance to combustion.• Readily biodegradable.• Zinc-free.• Excellent demulsibility.• Very good anti-rust and anti-corrosive properties.• Excellent oxidation stability.			
	STANDARDS:					
• ISO-HFD-U		• ISO 6743/4 HM-HV	• Vickers M-2952-S			
• VDMA 24568		• DIN 51524, part 3	• VII Luxemburg Report			
		• ISO 15 380, part 4	- Vickers I-286-S			
RANGE	VISCOSITY @ 40°C (CST)		VI	BASE OIL	FLASH POINT °C	FIRE POINT °C
	46		185	Synthetic	300	348



MULTI-FUNCTIONAL OILS



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



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




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





GEAR OILS & GREASES



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




GEAR OILS	PRODUCT NAME			SKU NR AND PACKAGING		
	SUPRACO MPL 68			108172	108173	
						
	APPLICATION & PERFORMANCE			JERRYCAN 20 L		DRUM 208 L
				ADVANTAGES		
Extrem ­ pressure lubricant for all types of highly stressed gear drives. Lubrication of gear drives, reducers (except hypoid gears), worm gears, bearings and heavy loaded parts of machinery.			<ul style="list-style-type: none">• 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.			
STANDARDS:						
<ul style="list-style-type: none">• ISO 6743-6 and ISO 12925-1, category CKC, CKD• DIN 51517 Part 3: 2004-01• AISE 224			<ul style="list-style-type: none">• 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	FLASH POINT °C
68		9	101	Mineral	-24	242



GEAR OILS	PRODUCT NAME			SKU NR AND PACKAGING	
	SUPRACO MPL 100			104268	108470
					
	APPLICATION & PERFORMANCE			JERRYCAN 20 L	DRUM 208 L
				ADVANTAGES	
Extreme-pressure lubricant for all types of highly stressed gear drives. Lubrication of gear drives, reducers (except hypoid gears), worm gears, bearings and heavy loaded parts of machinery.			<ul style="list-style-type: none">• 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.		
STANDARDS:					
<ul style="list-style-type: none">• ISO 6743-6 and ISO 12925-1, category CKC, CKD• DIN 51517 Part 3: 2004-01• AISE 224			<ul style="list-style-type: none">• 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
104		11.9	103	Mineral	-24
					FLASH POINT °C
					242



GEAR OILS	PRODUCT NAME			SKU NR AND PACKAGING		
	SUPRACO MPL 150			104250	108472	108519
				 JERRYCAN 20 L	 DRUM 208 L	 IBC 1000 L
	APPLICATION & PERFORMANCE Extreme-pressure lubricant for all types of highly stressed gear drives. Lubrication of gear drives, reducers (except hypoid gears), worm gears, bearings and heavy loaded parts of machinery. STANDARDS: <ul style="list-style-type: none">• 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			ADVANTAGES <ul style="list-style-type: none">• 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.		
VISCOSITY @ 40°C (CST)	VISCOSITY @ 100°C (CST)	VI	BASE OIL	POUR POINT °C	FLASH POINT °C	
160	15.6	99	Mineral	-21	242	



GEAR OILS	SKU NR AND PACKAGING				
	PRODUCT NAME	104236	108473	108474	108854
	SUPRACO MPL 220	 JERRYCAN 20 L	 DRUM 208 L	 IBC 1000 L	 BULK
APPLICATION & PERFORMANCE			ADVANTAGES		
Extreme-pressure lubricant for all types of highly stressed gear drives. Lubrication of gear drives, reducers (except hypoid gears), worm gears, bearings and heavy loaded parts of machinery. STANDARDS: • ISO 6743-6 and ISO 12925-1, category CKC, CKD • DIN 51517 Part 3: 2004-01 • AISE 224			• 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.		
STANDARDS: • 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	FLASH POINT °C
232	21	107	Mineral	-18	238



GEAR OILS	PRODUCT NAME		SKU NR AND PACKAGING		
	SUPRACO MPL 320		104252	108476	
					
			JERRYCAN 20 L	DRUM 208 L	
	APPLICATION & PERFORMANCE		ADVANTAGES		
Extreme-pressure lubricant for all types of highly stressed gear drives. Lubrication of gear drives, reducers (except hypoid gears), worm gears, bearings and heavy loaded parts of machinery.		• 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.			
STANDARDS:					
• ISO 6743-6 and ISO 12925-1, category CKC, CKD		• AGMA 9005-E02			
• DIN 51517 Part 3: 2004-01		• David Brown S1.53.101(E)			
• AISE 224		• Strong FAG FE-8 performance			
VISCOSITY @ 40°C (CST)	VISCOSITY @ 100°C (CST)	VI	BASE OIL	POUR POINT °C	FLASH POINT °C
346	26.4	101	Mineral	-15	236



GEAR OILS	SKU NR AND PACKAGING				
	PRODUCT NAME	104354	108477	107803	
	SUPRACO MPL 460	 JERRYCAN 20 L	 DRUM 208 L	 IBC 1000 L	
APPLICATION & PERFORMANCE			ADVANTAGES		
Extreme-pressure lubricant for all types of highly stressed gear drives. Lubrication of gear drives, reducers (except hypoid gears), worm gears, bearings and heavy loaded parts of machinery. STANDARDS: • ISO 6743-6 and ISO 12925-1, category CKC, CKD • DIN 51517 Part 3: 2004-01 • AISE 224			• 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.		
STANDARDS: • 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	FLASH POINT °C
475	31.9	99	Mineral	-12	234



GEAR OILS	PRODUCT NAME		SKU NR AND PACKAGING		
	SUPRACO MPL 680		<div><div></div><div>JERRYCAN 20 L</div></div>	<div><div></div><div>DRUM 208 L</div></div>	
	APPLICATION & PERFORMANCE		ADVANTAGES		
	<p>Extreme-pressure lubricant for all types of highly stressed gear drives. Lubrication of gear drives, reducers (except hypoid gears), worm gears, bearings and heavy loaded parts of machinery.</p> <p>STANDARDS:</p> <ul style="list-style-type: none">• 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		<ul style="list-style-type: none">• 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.		
	VISCOSITY @ 40°C (CST)	VISCOSITY @ 100°C (CST)	VI	BASE OIL	POUR POINT °C
641	35.2	87	Mineral	-9	234


GEAR OILS	PRODUCT NAME		SKU NR AND PACKAGING		
	GEAR SY 68		104320	100517	
					
			JERRYCAN 20 L	DRUM 208 L	
	APPLICATION & PERFORMANCE		ADVANTAGES		
For long life lubrication of industrial gears, plain bearings working under severe load and temperature conditions.		<ul style="list-style-type: none">• Excellent extreme pressure and anti-wear properties.• Excellent oxidation stability.• Excellent rust and corrosion protection.• Very high demulsibility with water.• High viscosity index.			
STANDARDS:					
<ul style="list-style-type: none">• ISO 6743-6 and ISO 12925-1, category CKC, CKD• DIN 51517 Part 3: 2004-01• AISE 224		<ul style="list-style-type: none">• 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	FLASH POINT °C
68	10	138	Gr III	< -30	238



GEAR OILS	PRODUCT NAME		SKU NR AND PACKAGING			
	GEAR SY 150		104322		108479	
				JERRYCAN 20 L		DRUM 208 L
	APPLICATION & PERFORMANCE			ADVANTAGES		
	For long life lubrication of industrial gears, plain bearings working under severe load and temperature conditions.			• Excellent extreme pressure and anti-wear properties. • Excellent oxidation stability. • Excellent rust and corrosion protection. • Very high demulsibility with water. • High viscosity index.		
	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		
VISCOSITY @ 40°C (CST)	VISCOSITY @ 100°C (CST)	VI	BASE OIL	POUR POINT °C	FLASH POINT °C	
150	19.5	157	PAO	< -30	236	



GEAR OILS	PRODUCT NAME		SKU NR AND PACKAGING			
	GEAR SY 220		104321	108480		
						
			JERRYCAN 20 L	DRUM 208 L		
	APPLICATION & PERFORMANCE			ADVANTAGES		
For long life lubrication of industrial gears, plain bearings working under severe load and temperature conditions.			• Excellent extreme pressure and anti-wear properties.			
STANDARDS:			• Excellent oxidation stability.			
• ISO 6743-6 and ISO 12925-1, category CKC, CKD			• Excellent rust and corrosion protection.			
• DIN 51517 Part 3: 2004-01			• Very high demulsibility with water.			
• AISE 224			• High viscosity index.			
• 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	FLASH POINT °C	
220	26	161	Gr III	< -30	242	



GEAR OILS	PRODUCT NAME		SKU NR AND PACKAGING		104294		108481				
	GEAR SY 320				JERRYCAN 20 L				DRUM 208 L		
APPLICATION & PERFORMANCE					ADVANTAGES						
For long life lubrication of industrial gears, plain bearings working under severe load and temperature conditions.					<ul style="list-style-type: none">• Excellent extreme pressure and anti-wear properties.• Excellent oxidation stability.• Excellent rust and corrosion protection.• Very high demulsibility with water.• High viscosity index.						
STANDARDS:											
<ul style="list-style-type: none">• ISO 6743-6 and ISO 12925-1, category CKC, CKD• DIN 51517 Part 3: 2004-01• AISE 224					<ul style="list-style-type: none">• 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		FLASH POINT °C	
320		37.6		164		Gr III		< -30		236	


GEAR OILS	PRODUCT NAME		SKU NR AND PACKAGING		
	GEAR SY 460		104295	108515	
					
			JERRYCAN 20 L	DRUM 208 L	
	APPLICATION & PERFORMANCE		ADVANTAGES		
	For long life lubrication of industrial gears, plain bearings working under severe load and temperature conditions.		<ul style="list-style-type: none">• Excellent extreme pressure and anti-wear properties.• Excellent oxidation stability.• Excellent rust and corrosion protection.• Very high demulsibility with water.• High viscosity index.		
STANDARDS:					
<ul style="list-style-type: none">• ISO 6743-6 and ISO 12925-1, category CKC, CKD• DIN 51517 Part 3: 2004-01• AISE 224		<ul style="list-style-type: none">• 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	FLASH POINT °C
460	50	171	PAO	< -30	232



GEAR OILS	PRODUCT NAME		SKU NR AND PACKAGING		
	SUPRA GEAR GL 150		<div>106314</div> <div></div> <div>DRUM 206 L</div>		
	APPLICATION & PERFORMANCE		ADVANTAGES		
	<p>Long-life or permanent lubrication of worm gear reduction drives, or gearboxes operating in a wide temperature range. Lubrication of all types of machine exposed to high temperatures or heavy loads in an oil circulation system. Not miscible with mineral or other synthetic lubricants.</p> <p>STANDARDS:</p> <ul style="list-style-type: none">• DIN 51517 Part 3, CLP• David Brown Type G		<ul style="list-style-type: none">• Outstanding load carrying properties.• Excellent thermal stability.• Excellent corrosion protection (ASTM D665, procedure B pass).• Outstanding demulsibility characteristics.• Allows thermally stable operation at temperatures in excess of 200 °C.• Free of chlorine, sulphur and metal based additives including lead.		
	VISCOSITY @ 40°C (CST)	VISCOSITY @ 100°C (CST)	VI	BASE OIL	POUR POINT °C
150	25	195	PAG	-30	191

GEAR OILS	PRODUCT NAME		SKU NR AND PACKAGING		
	SUPRA GEAR GL 220		106315	106316	
					
			JERRYCAN 20 L	DRUM 205 L	
	APPLICATION & PERFORMANCE		ADVANTAGES		
Long-life or permanent lubrication of worm gear reduction drives, or gearboxes operating in a wide temperature range. Lubrication of all types of machine exposed to high temperatures or heavy loads in an oil circulation system. Not miscible with mineral or other synthetic lubricants.		<ul style="list-style-type: none">• Outstanding load carrying properties.• Excellent thermal stability.• Excellent corrosion protection (ASTM D665, procedure B pass).• Outstanding demulsibility characteristics.• Allows thermally stable operation at temperatures in excess of 200 °C.• Free of chlorine, sulphur and metal based additives including lead.			
STANDARDS: <ul style="list-style-type: none">• DIN 51517 Part 3, CLP• David Brown Type G					
VISCOSITY @ 40°C (CST)	VISCOSITY @ 100°C (CST)	VI	BASE OIL	POUR POINT °C	FLASH POINT °C
237	32	177	PAG	-30	225

GEAR OILS	PRODUCT NAME		SKU NR AND PACKAGING		
	SUPRA GEAR GL 320		106319 	106320 	
			JERRYCAN 20 L	DRUM 207 L	
	APPLICATION & PERFORMANCE		ADVANTAGES		
	Long-life or permanent lubrication of worm gear reduction drives, or gearboxes operating in a wide temperature range. Lubrication of all types of machine exposed to high temperatures or heavy loads in an oil circulation system. Not miscible with mineral or other synthetic lubricants.		<ul style="list-style-type: none">• Outstanding load carrying properties.• Excellent thermal stability.• Excellent corrosion protection (ASTM D665, procedure B pass).• Outstanding demulsibility characteristics.• Allows thermally stable operation at temperatures in excess of 200 °C.• Free of chlorine, sulphur and metal based additives including lead.		
	STANDARDS: <ul style="list-style-type: none">• DIN 51517 Part 3, CLP• David Brown Type G				
VISCOSITY @ 40°C (CST)	VISCOSITY @ 100°C (CST)	VI	BASE OIL	POUR POINT °C	FLASH POINT °C
325	45	196	PAG	-30	225





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



GEAR GREASES	PRODUCT NAME				SKU NR AND PACKAGING		
	IRIX HP - LCXM 500 G				108108		
							
	APPLICATION & PERFORMANCE Lubrication of open mesh gears operating under heavy loads. For girth gear drives in the chemical, cement, mineral, fertiliser and metalworking industry or any mechanism requiring a lubricant capable of resisting severe operating conditions in centralised systems or spraying equipment.				ADVANTAGES <ul style="list-style-type: none">• Contains anti-wear, EP and anti-corrosion additives.• Lead and solvent free.• Contains high level of ultra-fine natural graphite.• High pumpability even at low temperature.• Very stable and adherent lubricating film.		
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	LiCa Complex	0	-20 to 120 (130)	> 240	700	Black



GEAR GREASES	PRODUCT NAME				SKU NR AND PACKAGING		
	IRIX HP - LCM 92000				107192	107888	
					<div></div> <div>6 X CAN 1 KG</div>	<div></div> <div>PAIL 19 KG</div>	
	APPLICATION				ADVANTAGES		
Industrial and automotive applications with high loads and slow movements. Lubrication of rollers in linear guide systems of machine tools. Prime choice for wet, dirty and highly loaded conditions, especially at low speed and low temperature.				<ul style="list-style-type: none">• 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	000	-20 to 120 (130)	> 180	> 700	Brown





SLIDEWAY OILS & GREASES




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



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



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

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

SLIDEWAY OILS	PRODUCT NAME			SKU NR AND PACKAGING			
	SLID FILM 220			<div> JERRYCAN 20 L</div>	<div> DRUM 208 L</div>	<div> IBC 1000 L</div>	<div> BULK</div>
	APPLICATION & PERFORMANCE			ADVANTAGES			
	Suitable for slideways, hydraulic and centralised lubrication systems.			<ul style="list-style-type: none">• High demulsifiability with water soluble metalworking fluids.• Corrosion resistant.• Compatible with plastic coated ways (SKC).• Low friction coefficient.• Avoids Stick-Slip.• Excellent adhesiveness.• Anti-wear and Extreme-Pressure.• Zinc free.			
	STANDARDS:						
Slideway <ul style="list-style-type: none">• ISO 11158 categories HG ; 6743-4 category HG ; 6743-13 category G• CINCINNATia MILACRON P-47 and P-50			Hydraulic <ul style="list-style-type: none">• ISO 11158 categories HM ; 6743-4 category HM• DIN 51524 part 2, HLP	Gear <ul style="list-style-type: none">• DIN 51517 part 3• AGMA 9005 - E02• US STEEL 224			
VISCOSITY @ 40°C (CST)		VISCOSITY @ 100°C (CST)		VI	BASE OIL	POUR POINT °C	FLASH POINT °C
220		18.7		97	Mineral	-18	240


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


SLIDEWAY OILS	<div>PRODUCT NAME</div> <div>SUPRA SLIDE 220</div>			<div>SKU NR AND PACKAGING</div> <div><div>104514</div><div></div><div>JERRYCAN 20 L</div></div> <div><div>104517</div><div></div><div>DRUM 208 L</div></div>		
	<div>APPLICATION & PERFORMANCE</div> <div>High performances lubricant for the machine-tools lubrication.</div> <div>STANDARDS:</div> <div><ul style="list-style-type: none">Cincinnati Lamb P-47 / P-50.SH/T0361-94 Chinese ntl. specification.DIN51524-2 HLP ; DIN51517-3 CLP.</div>			<div>ADVANTAGES</div> <div><ul style="list-style-type: none">Excellent compatibility with aqueous metalworking fluids.Exceptional demulsibility properties, particularly with MotulTech soluble fluids.Excellent lubricity and load carrying performance.Avoids Stick-Slip.Non-corrosive to ferrous and non-ferrous alloys.Anti-wear and extreme pressure performance.</div>		
	<div>VISCOSITY @ 40°C (CST)</div> <div>219</div>	<div>VISCOSITY @ 100°C (CST)</div> <div>19</div>	<div>VI</div> <div>96</div>	<div>BASE OIL</div> <div>Mineral</div>	<div>POUR POINT °C</div> <div>-12</div>	<div>FLASH POINT °C</div> <div>286</div>



SLIDEWAY GREASES	PRODUCT NAME				SKU NR AND PACKAGING										
	IRIX HP - LCM 92000				107192		107888								
															
					6 x Can 1 kg		PAIL 19 kg								
	APPLICATION & PERFORMANCE				ADVANTAGES										
Industrial and automotive applications with high loads and slow movements. Lubrication of rollers in linear guide systems of machine tools. Prime choice for wet, dirty and highly loaded conditions, especially at low speed and low temperature.				<ul style="list-style-type: none">• 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		000		-20 to 120 (130)		> 180		> 700		Brown	



SPINDLE OILS & GREASES

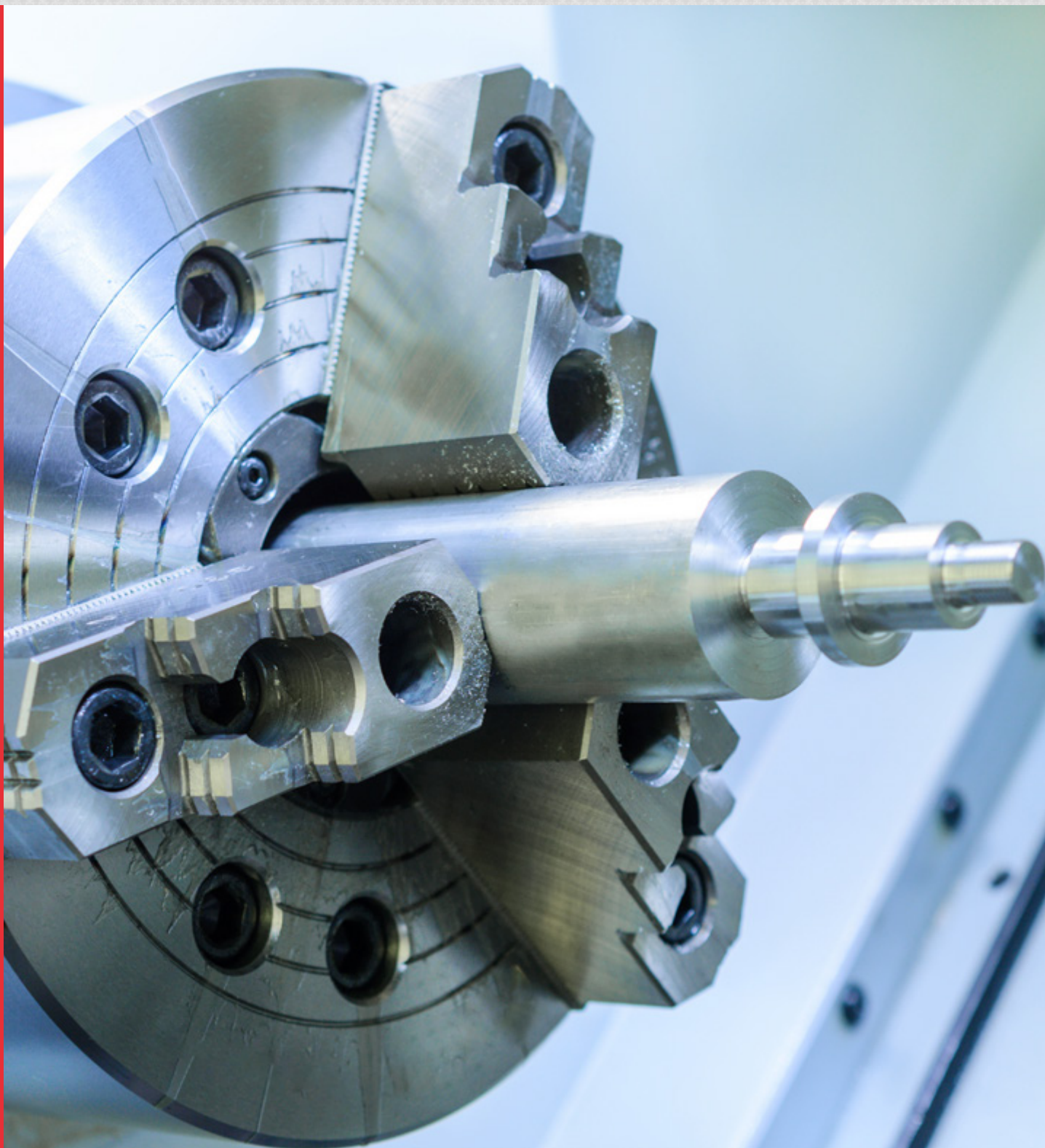
High quality oils specifically made for high-speed spindles bearings in all types of industrial machinery. These lubricants do not only prevent machine failures due to premature wear, but also cool and protect the spindle against corrosion.

SPINDLE OILS	SKU NR AND PACKAGING				
	PRODUCT NAME			104419	
	SPEED AA 2				
	JERRYCAN 20 L				
SPINDLE OILS	APPLICATION & PERFORMANCE			ADVANTAGES	
	Suitable for the lubrication of high-speed spindles bearings, air line oilers, hydraulic systems requiring low-viscosity lubricants in grinders and other machine tools. STANDARDS: • ISO TR 3498: L-FD and L-HM • ISO 6743-2: L-FD			• Reduced sludge, varnish and deposit formation. • Corrosion resistance. • Excellent anti-wear protection. • Enhanced thermal and oxidative stability. • Zinc free.	
SPINDLE OILS	VISCOSITY @ 40 °C (CST)	VISCOSITY @ 100 °C (CST)	VI	BASE OIL	POUR POINT °C
	2.1	1	148	Mineral	-54
SPINDLE OILS				FLASH POINT °C	
				108	

SPINDLE OILS	SKU NR AND PACKAGING				
	PRODUCT NAME			108222	
	SPEED A 5				
	JERRYCAN 20 L				
SPINDLE OILS	APPLICATION & PERFORMANCE			ADVANTAGES	
	Suitable for the lubrication of high-speed spindles bearings, air line oilers, hydraulic systems requiring low-viscosity lubricants in grinders and other machine tools. STANDARDS: • ISO TR 3498: L-FD and L-HM • ISO 6743-2: L-FD			• Reduced sludge, varnish and deposit formation. • Corrosion resistance. • Excellent anti-wear protection. • Enhanced thermal and oxidative stability. • Zinc free.	
SPINDLE OILS	VISCOSITY @ 40 °C (CST)	VISCOSITY @ 100 °C (CST)	VI	BASE OIL	POUR POINT °C
	5	1.8	133	Mineral	-12
SPINDLE OILS				FLASH POINT °C	
				134	



SPINDLE OILS	SKU NR AND PACKAGING				
	PRODUCT NAME			104420	
	SPEED A 10				
	JERRYCAN 20 L				
SPINDLE OILS	APPLICATION & PERFORMANCE			ADVANTAGES	
	Suitable for the lubrication of high-speed spindles bearings, air line oilers, hydraulic systems requiring low-viscosity lubricants in grinders and other machine tools. STANDARDS: • ISO TR 3498: L-FD and L-HM • ISO 6743-2: L-FD			• Reduced sludge, varnish and deposit formation. • Corrosion resistance. • Excellent anti-wear protection. • Enhanced thermal and oxidative stability. • Zinc free.	
SPINDLE OILS	VISCOSITY @ 40 °C (CST)	VISCOSITY @ 100 °C (CST)	VI	BASE OIL	POUR POINT °C
	10	2.8	105	Mineral	-27
SPINDLE OILS				FLASH POINT °C	
				164	

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







CHAIN OILS & GREASES





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





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






GREASES & PASTES







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





GREASES & PASTES	SKU NR AND PACKAGING							
	PRODUCT NAME				108243	108244	108245	106780
	GRAISSE 113				 24 X CARTRIDGE 400 G	 PAIL 19 KG	 DRUM 50 KG	 Fût 180 KG
	APPLICATION Multifunctional grease for machines working under mild conditions of load and temperature. Suitable for plain bearings, slideways, sliding blocks, lubrication of various machine movements. Temporary protection of metal parts and the protection of spray booths.				ADVANTAGES <ul style="list-style-type: none"> • Insoluble in cold or tempered water. • Very easy to inject. • Good anti-corrosion and anti-wear performances. • Remains stable at work and when temperature changes. • Exceptional stickiness performances. 			
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	SKU NR AND PACKAGING							
	PRODUCT NAME				106873	106788	106874	106875
	IRIX LSM 1500				 6 X CAN 1 KG	 4 X CAN 5 KG	 PAIL 19 KG	 DRUM 50 KG
	APPLICATION Lubrication of bearings, gears and all mechanical units operating under high loads. For reducers, centralised greasing, gears in crankcases, various parts working in a cold atmosphere, all soft EP grease uses.				ADVANTAGES <ul style="list-style-type: none"> • Excellent protection against corrosion. • Excellent extreme-pressure performance. • Excellent wear protection. • Very good adhesion. • Very good stability in service and storage. • Insoluble in water. • Compatible with cardan joint and bellows. 			
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	00	-30 to 130	170	285	Amber






GREASES & PASTES	SKU NR AND PACKAGING							
	PRODUCT NAME				106911	106785	106871	106872
	IRIX LSM 150				 6 X CAN 1 KG	 4 X CAN 5 KG	 PAIL 19 KG	 DRUM 50 KG
	APPLICATION 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"> • Excellent protection against corrosion. • Excellent extreme-pressure performance. • Excellent wear protection. • Very good adhesion. • Very good stability in service and storage. • Insoluble in water. • Compatible with cardan joint and bellows. 			
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



PRODUCT NAME				SKU NR AND PACKAGING			
IRIX LSM 151				<div>106789</div> <div> 24 X CARTRIDGE 400 G</div>	<div>106787</div> <div> 6 X CAN 1 KG</div>	<div>106781</div> <div> 4 X CAN 5 KG</div>	
				<div>106876</div> <div> DRUM 50 KG</div>	<div>106784</div> <div> DRUM 180 KG</div>		
APPLICATION Lubrication of bearings, gears and all mechanical units operating under high loads. Centralized greasing.				ADVANTAGES <ul style="list-style-type: none">• Excellent protection against corrosion.• Excellent extreme-pressure performance.• Excellent wear protection .• Very good adhesion.• Very good stability in service and storage.• Insoluble in water.• Compatible with cardan joint and bellows.			
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	1	-20 to 140	180	285	Amber



PRODUCT NAME				SKU NR AND PACKAGING			
IRIX LSM 152				104717  24 X CARTRIDGE 400 G	106877  6 X CAN 1 KG	106840  4 X CAN 5 KG	
				106878  PAIL 19 KG	106879  DRUM 50 KG	106882  DRUM 180 KG	
APPLICATION Lubrication of bearings, gears and all mechanical units operating under high loads. Suitable for a wide range of general-purpose lubrication applications ranging from bearings to cables, chains and other linkages. Also suitable as a multipurpose chassis, pin and bushing grease.				ADVANTAGES <ul style="list-style-type: none">• Excellent protection against corrosion.• Excellent extreme-pressure performance.• Excellent wear protection.• Very good adhesion.• Very good stability in service and storage.• Insoluble in water.• Compatible with cardan joint and bellows.			
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



PRODUCT NAME				SKU NR AND PACKAGING			
IRIX LSM 153				106783  24 X CARTRIDGE 400 G	106883  6 X CAN 1 KG	106782  4 X CAN 5 KG	106842  DRUM 50 KG
APPLICATION Lubrication of bearings, gears and all mechanical units operating under high loads. Truck hubs, very loaded sleeves.				ADVANTAGES <ul style="list-style-type: none"> • Excellent protection against corrosion. • Excellent extreme-pressure performance. • Excellent wear protection. • Very good adhesion. • Very good stability in service and storage. • Insoluble in water. • Compatible with cardan joint and bellows. 			
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



PRODUCT NAME				SKU NR AND PACKAGING			
IRIX HP - LXM 202				106790  24 X CARTRIDGE 400 G	106868  6 X CAN 1 KG	106869  PAIL 19 KG	106870  DRUM 50 KG
APPLICATION Long term lubrication of all mechanisms subjected to very harsh working conditions. Perfectly adapted to greases for plain bearings, anti-friction bearings, small reduction gears, joints and other mechanisms subjected to high temperatures and loads.				ADVANTAGES <ul style="list-style-type: none"> • Excellent wear resistant and extreme-pressure properties. • Very good resistance to water. • Excellent adhesiveness. • Resistance to corrosion. 			
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



PRODUCT NAME				SKU NR AND PACKAGING			
IRIX LSM 112 MO				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 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"> • Excellent extreme-pressure performances. • Good adhesiveness and excellent wear protection. • Excellent corrosion protection and water resistance. • Very good performances under boundary lubrication. • Good mechanical stability. 			
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

PRODUCT NAME				SKU NR AND PACKAGING			
IRIX HP - LCM 92000				107192 	107888 		
				6 X CAN 1 KG		PAIL 19 KG	
APPLICATION & PERFORMANCE Industrial and automotive applications with high loads and slow movements. Lubrication of rollers in linear guide systems of machine tools. Prime choice for wet, dirty and highly loaded conditions, especially at low speed and low temperature.				ADVANTAGES <ul style="list-style-type: none"> • 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	000	-20 to 120 (130)	> 180	> 700	Brown

PRODUCT NAME				SKU NR AND PACKAGING			
IRIX HP - CXSM 292				107191 	106843 		
				24 X CARTRIDGE 400 G	6 X CAN 1 KG		
APPLICATION 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.				ADVANTAGES <ul style="list-style-type: none"> • Well adhesive on any metal. • Steam and water resistant. • Not dropping and high thermal stability. • Good sealing. • High pressure load. • Corrosion protection. 			
BASE OIL	BASE OIL VISCOSITY AT 40 °C	THICKENER	NLGI GRADE	TEMPERATURE RANGE °C	DROPPING POINT °C	4-BALL WELD LOAD KG	COLOUR
Mineral	290	Ca Sulphonate Cx	2	-30 to 140 (220)	> 280	765	Brown



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



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



PRODUCT NAME				SKU NR AND PACKAGING			
IRIX HP - ETF 122				101878	106039		
				 12 X CAN 1 KG	 PAIL 19 KG		
APPLICATION 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.				ADVANTAGES <ul style="list-style-type: none">• Well adhesive on any metal.• Steam and water resistant.• Not dropping and high thermal stability.• Good sealing.• High pressure load.• Corrosion protection.			
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	PRODUCT NAME		SKU NR AND PACKAGING			
	VIS 32		104282		108467	
						
			JERRYCAN 20 L		DRUM 208 L	
	APPLICATION & PERFORMANCE		ADVANTAGES			
Lubrication of screw air compressors as well as vacuum pumps.		<ul style="list-style-type: none">• Excellent anti-wear performances.• Excellent corrosion protection.• Excellent oxidation resistance and thermal stability at high temperatures.• Low ash and carbon formation.• Zinc free.				
STANDARDS:						
<ul style="list-style-type: none">• DIN 51506 - VDL• PNEUROP test: DIN 51 352-2						
BASE OIL	VISCOSITY @ 40 °C (CST)	VISCOSITY @ 100 °C (CST)	VI	POUR POINT °C	FLASH POINT °C	
Mineral	32	5.1	92	-27	204	



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



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

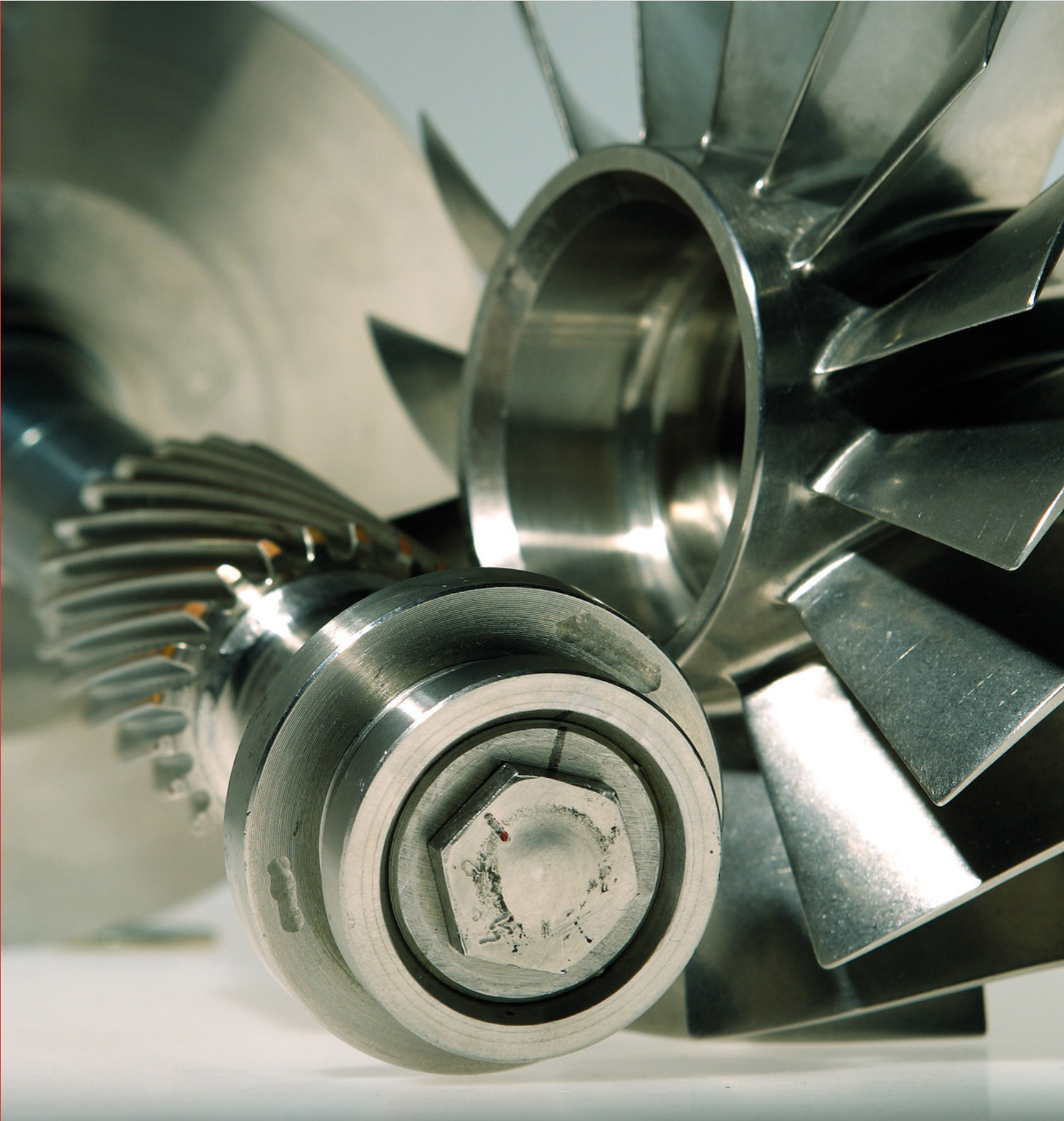
COMPRESSOR OILS	SKU NR AND PACKAGING				
	PRODUCT NAME		104251	108469	
	ALTERNA 100		 JERRYCAN 20 L	 DRUM 208 L	
COMPRESSOR OILS	APPLICATION & PERFORMANCE		ADVANTAGES		
	Lubrication of reciprocating compressors as well as vacuum pumps.		<ul style="list-style-type: none"> Excellent anti-wear performances.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

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

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

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



PRODUCT NAME			SKU NR AND PACKAGING		
BAR SY 100			104691		104689
			JERRYCAN 20 L		DRUM 208 L
APPLICATION & PERFORMANCE High Performance synthetic lubricants for rotary and reciprocating compressors.			ADVANTAGES <ul style="list-style-type: none"> • Excellent wear and corrosion protection. • Very long drain intervals for reduced compressor maintenance. • Reduces varnish and lacquer deposits. • High viscosity index. • Very low volatility for lower oil consumption. • High oxidation resistance. • Excellent separation from air and water. 		
STANDARDS: <ul style="list-style-type: none"> • DIN 51506 - VCL and VDL • PNEUROP test: DIN 51 352-2 • ISO 6743-3: DAJ 					
BASE OIL	VISCOSITY @ 40 °C (CST)	VISCOSITY @ 100 °C (CST)	VI	POUR POINT °C	FLASH POINT °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	SKU NR AND PACKAGING				
	PRODUCT NAME		104497	104504	
	SUPRACAL 22				
			JERRYCAN 20 L	DRUM 208 L	
HEAT TRANSFER OILS	APPLICATION		ADVANTAGES		
	Highly refined mineral oil with paraffinic tendencies for heat transfer and thermal controls operating at temperatures up to 280°C. Intended for dynamic circulation.		<ul style="list-style-type: none"> • Perfect stability at high temperatures. • High resistance to oxidation. • Excellent anti-rust, anti-corrosion and anti-foam properties. • Low viscosity for excellent thermodynamic characteristics. • Toxic free, Zinc free. 		
	BASE OIL	VISCOSITY @ 40 °C (CST)	VISCOSITY @ 100 °C (CST)	VI	FLASH POINT °C
HEAT TRANSFER OILS	Mineral	22	4	81	-27
					214

HEAT TRANSFER OILS	SKU NR AND PACKAGING				
	PRODUCT NAME		104500	104503	104501
	SUPRACAL 32				
			JERRYCAN 20 L	DRUM 208 L	IBC 1000 L
HEAT TRANSFER OILS	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"> • Perfect stability at high temperatures. • High resistance to oxidation. • Excellent anti-rust, anti-corrosion and anti-foam properties. • Low viscosity for excellent thermodynamic characteristics. • Very low vapour pressure. • Toxic free, Zinc free. 		
	BASE OIL	VISCOSITY @ 40 °C (CST)	VISCOSITY @ 100 °C (CST)	VI	FLASH POINT °C
HEAT TRANSFER OILS	Mineral	32	5.5	107	-33
					224

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

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



FOOD GRADE LUBRICANTS



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

77-80 FOOD GRADE OILS

81 FOOD GRADE GREASES



FOOD GRADE OILS


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



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



FOOD GRADE OILS	HYDRAULIC	PRODUCT NAME		SKU NR AND PACKAGING				
		HYDRAULIC FG 46		108463	108464			
	APPLICATION & APPROVAL		ADVANTAGES					
	RANGE		BASE OIL		VISCOSITY @ 40 °C (CST)	VISCOSITY @ 100 °C (CST)	VI	POUR POINT °C
		Medicinal white oil		46	9	181	-10	> 185



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



FOOD GRADE OILS		SKU NR AND PACKAGING				
HYDRAULIC	PRODUCT NAME			104449	104451	
	HYDRAULIC FG-F 32					
				JERRYCAN 20 L	DRUM 215 L	
RANGE	APPLICATION & APPROVAL			ADVANTAGES		
	Lubrication of plain bearings, conveyor chains, hydraulic circuits particularly at low temperatures. Lubricant of choice in cold industries.			<ul style="list-style-type: none">• Reinforced anti-wear and anti-corrosion performance.• Excellent anti-foam properties.• Excellent water demulsibility.• High viscosity index.• Low pour point.		
	• NSF H1 certified - Certification number 147869.					
	BASE OIL	VISCOSITY @ 40 °C (CST)	VISCOSITY @ 100 °C (CST)	VI	POUR POINT °C	FLASH POINT °C
	PAO	32	6	130	-50	240


FOOD GRADE OILS		SKU NR AND PACKAGING				
HYDRAULIC	PRODUCT NAME		108505			
	HYDRAULIC FG-V 46		<div></div>			
			DRUM 215 L			
RANGE	APPLICATION & APPROVAL		ADVANTAGES			
	Lubrication of plain bearings, conveyor chains, hydraulic circuits particularly at low temperatures. Lubricant of choice in cold industries.		<ul style="list-style-type: none">• Reinforced anti-wear and anti-corrosion performance.• Excellent anti-foam properties.• Excellent water demulsibility.• High viscosity index.• Low pour point.			
	• NSF H1 certified - Certification number 139811.					
	BASE OIL	VISCOSITY @ 40 °C (CST)	VISCOSITY @ 100 °C (CST)	VI	POUR POINT °C	FLASH POINT °C
	PAO	46	8.5	130	-45	250

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

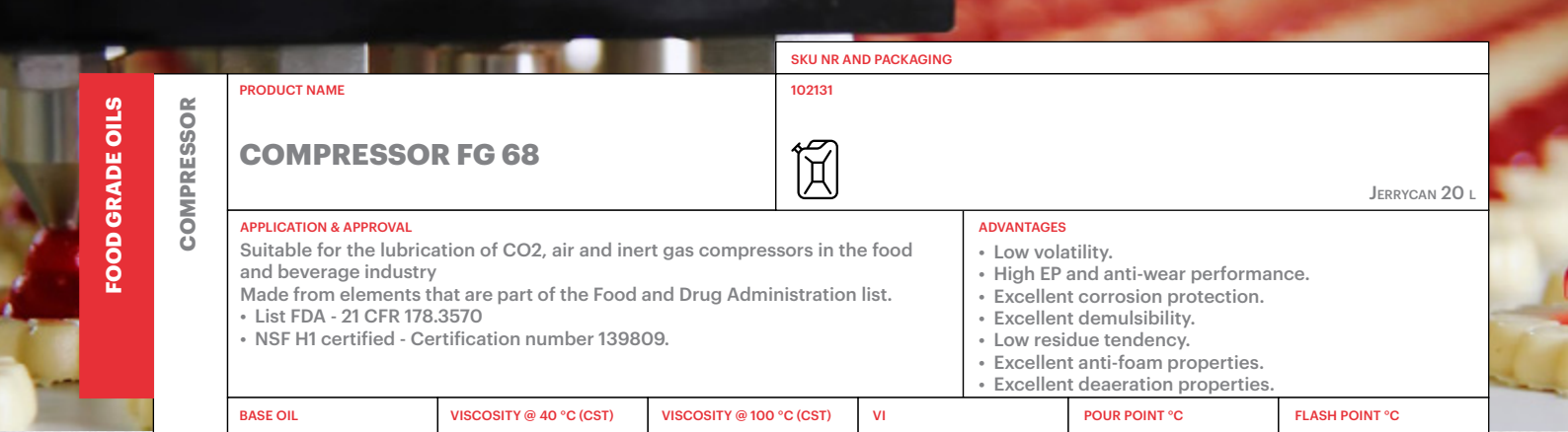
FOOD GRADE OILS		SKU NR AND PACKAGING				
GEAR	PRODUCT NAME			108502	108503	
	GEAR FG 220					
	JERRYCAN 20 L			DRUM 215 L		
RANGE	APPLICATION & APPROVAL			ADVANTAGES		
	Lubrication of plain bearings and loaded enclosed gears in the food and beverage industry. Made from elements that are part of the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


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



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

FOOD GRADE OILS	GEAR	SKU NR AND PACKAGING				
		PRODUCT NAME		106184		
		GEAR FG 680		<div></div> <div>JERRYCAN 20 L</div>		
RANGE	APPLICATION & APPROVAL			ADVANTAGES		
	Lubrication of plain bearings and loaded enclosed gears in the food and beverage industry. Made from elements that are part of the Food and Drug Administration list. • List FDA - 21 CFR 178.3570. • NSF H1 certified - Certification number 139804.			• Oxidation stability. • EP and anti-wear performance. • Excellent corrosion protection. • High viscosity index. • Excellent anti-foam properties. • Low pour point.		
	BASE OIL	VISCOSITY @ 40 °C (CST)	VISCOSITY @ 100 °C (CST)	VI	POUR POINT °C	FLASH POINT °C
	Semi-synthetic	680	65	167	-15	> 220

FOOD GRADE OILS	COMPRESSOR	PRODUCT NAME		SKU NR AND PACKAGING		
		COMPRESSOR FG 46		108506		
	APPLICATION & APPROVAL		ADVANTAGES			
	Lubrication of CO2, air and inert gas compressors in the food and beverage industry. Made from elements that are part of the Food and Drug Administration list. <ul style="list-style-type: none">List FDA - 21 CFR 178.3570.NSF H1 certified - Certification number 139810.		<ul style="list-style-type: none">Low volatility.High EP and anti-wear performance.Excellent corrosion protection.Excellent demulsibility.Low residue tendency.Excellent anti-foam properties.Excellent deaeration properties.			
RANGE	BASE OIL	VISCOSITY @ 40 °C (CST)	VISCOSITY @ 100 °C (CST)	VI	POUR POINT °C	FLASH POINT °C
	Synthetic	46	7.6	130	-30	> 240








FOOD GRADE OILS	COMPRESSOR	PRODUCT NAME		102131			
		COMPRESSOR FG 68		<div></div> JERRYCAN 20 L			
		APPLICATION & APPROVAL			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. <ul style="list-style-type: none">List FDA - 21 CFR 178.3570NSF H1 certified - Certification number 139809.			<ul style="list-style-type: none">Low volatility.High EP and anti-wear performance.Excellent corrosion protection.Excellent demulsibility.Low residue tendency.Excellent anti-foam properties.Excellent deaeration properties.		
		BASE OIL	VISCOSITY @ 40 °C (CST)	VISCOSITY @ 100 °C (CST)	VI	POUR POINT °C	FLASH POINT °C
RANGE	Synthetic	68	10	130	-30	> 240	

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

FOOD GRADE GREASES

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

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

FOOD GRADE GREASES				SKU NR AND PACKAGING											
				102151		101672		103198							
PRODUCT NAME				 PAIL 25 KG		 12 x CAN 900 G		 24 x CARTRIDGE 400 G							
TECH GREASE FG 2															
APPLICATION				ADVANTAGES											
Lubrication of bearings, chains, joints, linkages and slides in the food and beverage industry.				• Excellent water resistance and corrosion protection.											
• NSF H1 certified - Certification number 139436.				• Excellent shear stability and anti wear performance.											
				• Superior adherence.											
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.


83-84 AEROSOLS


AEROSOLS


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

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

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

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

AEROSOLS	PRODUCT NAME		SKU NR AND PACKAGING	
	DEMOLD SPRAY		107019  6 x 500 ML AEROSOL	
	APPLICATION 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, ...		ADVANTAGES <ul style="list-style-type: none"> • Excellent anti-adhesion and lubricating properties. • Leaves a dry, thin film. • Easy demoulding even for complicated shapes. • Avoids surface defects. • Compatible with most metals, plastics and rubbers. • Silicone-free and paintable. 	
	USE	CONTAINER	NET CONTENT	FLASH POINT °C
	Release agent for plastic Injection	650 ml	500 ml	

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

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

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**THE INDUSTRIAL LUBRICANTS DIVISION
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