Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 Date of issue: 17-5-2018 Revision date: 17-5-2018 Version: 1.0

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(REACH-no) 01-2119498288-19 STOT RE 2, H373	Name		Product identifier	%	R	egulation (EC) No.
omments : The highly refined mineral oil contains <3% (w/w) DMSOextract. according to IP346	C14-16-18 Alkyl ph	lenol				
	Comments		: The highly refined mineral o	il contains <3%	6 (w/w) DMSOe	tract. according to IP346
ull text of H-statements: see section 16	a. tone of it otatoff					

SECTION 4: First aid measures	
4.1. Description of first aid measures	
First-aid measures general	: If you feel unwell, seek medical advice (show the label where possible).

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according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830			
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing.		
First-aid measures after skin contact	: Wash skin with plenty of water.		
First-aid measures after eye contact	: Rinse eyes with water as a precaution.		
First-aid measures after ingestion	: Call a poison center or a doctor if you feel unwell. Do not induce vomiting.		
4.2. Most important symptoms and effects, both acute and delayed			
Symptoms/effects	: No additional information available. Not expected to present a significant hazard under anticipated conditions of normal use.		
Symptoms/effects after ingestion	: May result in aspiration into the lungs, causing chemical pneumonia.		

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures	
5.1. Extinguishing media	
Suitable extinguishing media	: Water spray. Dry powder. Foam. Carbon dioxide.
Unsuitable extinguishing media	: Do not use a heavy water stream.
5.2. Special hazards arising from the substa	nce or mixture
Fire hazard	: Combustible liquid.
Hazardous decomposition products in case of fire	: Toxic fumes may be released. Incomplete combustion releases dangerous carbon monoxide, carbon dioxide and other toxic gases.
5.3. Advice for firefighters	
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures 6.1. Personal precautions, protective equipment and emergency procedures		
6.1.1. For non-emergency personnel Emergency procedures	: Ventilate spillage area.	
6.1.2. For emergency responders		
Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".	
6.2. Environmental precautions		
Avoid release to the environment.		
6.3. Methods and material for containment	and cleaning up	
Methods for cleaning up	: Take up liquid spill into absorbent material.	
Other information	: Dispose of materials or solid residues at an authorized site.	
6.4. Reference to other sections		
For further information refer to section 13.		

SECTION 7: Handling and storage	
7.1. Precautions for safe handling	
Precautions for safe handling	: Provide good ventilation in process area to prevent formation of vapour.
Hygiene measures	: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.
7.2. Conditions for safe storage, including a	ny incompatibilities
Storage conditions	: Keep container closed when not in use. Keep in a cool, well-ventilated place away from heat.
Storage temperature	: 0 - 40 °C
7.3. Specific end use(s)	
No additional information available	

SECTION 8: Exposure c	SECTION 8: Exposure controls/personal protection				
8.1. Control parameters					
Gasmotorenöl HGM plus S	SAE 40				
EU	Exposure limits/standards for materials that can be formed when handling this product. When mists/aerosols can occur the following is recommended: 5 mg/m ³ - ACGIH TLV (inhalable fraction).				
8.2. Exposure controls					
Appropriate engineering controls:					

Ensure good ventilation of the work station.

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Materials for protec	Materials for protective clothing:						
Wear suitable protec	tive clothing						
Hand protection:							
Protective gloves							
Туре	Material		Permeation	Thickness (mm)	Penetrati	on	Standard
Reusable gloves	Nitrile rubb Neoprene r (HNBR)		5 (> 240 minutes), 6 (> 480 minutes)	>=0,35			EN 374
Eye protection:							
Safety glasses							
Туре	Type Use Characteristics Standard						
Safety glasses Droplet clear EN 166							
Skin and body protection:							
Wear suitable protective clothing							
Respiratory protect	tion:						
In case of insufficient	t ventilation, we	ar suitable re	espiratory equipment				

Personal protective equipment symbol(s):



Environmental exposure controls:

Avoid release to the environment.

SECTION 9: Physical and chemical properties		
9.1. Information on basic physical and chemical properties		
Physical state	: Liquid	
Colour	: brown.	
Odour	: characteristic.	
Odour threshold	: No data available	
рН	: No data available	
Relative evaporation rate (butylacetate=1)	: No data available	
Melting point	: Not applicable	
Freezing point	: -27 °C - ASTM D5950 (pour point)	
Boiling point	: No data available	
Flash point	: 259 °C - ASTM D92 (COC)	
Auto-ignition temperature	: No data available	
Decomposition temperature	: No data available	
Flammability (solid, gas)	: Not applicable	
Vapour pressure	: No data available	
Relative vapour density at 20 °C	: No data available	
Relative density	: No data available	
Density	: 0,891 kg/l (15 °C) - ASTM D4052	
Solubility	: Water : Practically not miscible.	
Log Pow	: No data available	
Viscosity, kinematic	: 147,6 mm²/s (40 °C) - ASTM D7279	
Viscosity, dynamic	: No data available	
Explosive properties	: Presents no particular fire or explosion hazard.	
Oxidising properties	: No data available	
Explosive limits	: No data available	
9.2. Other information		
VOC content	:0%	

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SECTION 44. To

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SECTION 10: Stability and reactivity
10.1. Reactivity
The product is non-reactive under normal conditions of use, storage and transport.
10.2. Chemical stability
Stable under normal conditions.
10.3. Possibility of hazardous reactions
No dangerous reactions known under normal conditions of use. Reacts violently with (strong) oxidizers.
10.4. Conditions to avoid
None under recommended storage and handling conditions (see section 7).
10.5. Incompatible materials
No additional information available
10.6. Hazardous decomposition products
No decomposition if stored normally.

SECTION 11: Toxicological information	
11.1. Information on toxicological effects	
Acute toxicity (oral) :	Not classified
Acute toxicity (dermal) :	Not classified
Acute toxicity (inhalation)	Not classified
C14-16-18 Alkyl phenol	
LD50 oral rat	> 2000 mg/kg bodyweight
LD50 dermal rat	> 2000 mg/kg bodyweight
Skin corrosion/irritation :	Not classified
Serious eye damage/irritation :	Not classified
Respiratory or skin sensitisation :	Not classified
Germ cell mutagenicity :	Not classified
Carcinogenicity :	Not classified
Reproductive toxicity :	Not classified
STOT-single exposure :	Not classified
STOT-repeated exposure :	Not classified
Aspiration hazard :	Not classified
Gasmotorenöl HGM plus SAE 40	
Viscosity, kinematic	147,6 mm²/s (40 °C) - ASTM D7279

SECTION 12: Ecological information				
12.1. Toxicity				
Ecology - general	 The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment. 			
Acute aquatic toxicity	: Not classified			
Chronic aquatic toxicity	: Not classified			
C14-16-18 Alkyl phenol				
LC50 fish 1	> 100 mg/l			
EC50 Daphnia 1	> 100 mg/l			
EC50 72h algae (1)	>= 100 mg/l			
12.2. Persistence and degradability				
No additional information available				
12.3. Bioaccumulative potential				
C14-16-18 Alkyl phenol				
Log Pow	> 7,2			
12.4. Mobility in soil				
No additional information available				
12.5. Results of PBT and vPvB assessment				
No additional information available				
12.6. Other adverse effects				
No additional information available				

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SECTION 13: Disposal considerations	
13.1. Waste treatment methods	
Waste treatment methods	: Do not allow into drains or water courses. Dispose of contents/container in accordance with licensed collector's sorting instructions.
Product/Packaging disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations.
European List of Waste (LoW) code	: 13 02 05* - mineral-based non-chlorinated engine, gear and lubricating oils

SECTION 14: Transport information In accordance with ADR / RID / IMDG / IATA / ADN ADR IMDG ΙΑΤΑ ADN RID 14.1. UN number Not applicable Not applicable Not applicable Not applicable Not applicable 14.2. UN proper shipping name Not applicable Not applicable Not applicable Not applicable Not applicable 14.3. Transport hazard class(es) Not applicable Not applicable Not applicable Not applicable Not applicable 14.4. Packing group Not applicable Not applicable Not applicable Not applicable Not applicable 14.5. Environmental hazards Not applicable Not applicable Not applicable Not applicable Not applicable No supplementary information available

14.6. Special precautions for user

Overland transport

Not applicable

Transport by sea

Not applicable

Air transport Not applicable

Inland waterway transport

Not applicable Rail transport

Not applicable

Not applicable

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

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15.1.1. EU-Regulations

The following restrictions are applicable according to Annex XVII of the REACH Regulation (EC) No 1907/2006:				
3(b) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10	C14-16-18 Alkyl phenol			
3. Liquid substances or mixtures which are regarded as dangerous in accordance with Directive 1999/45/EC or are fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008	C14-16-18 Alkyl phenol			

Contains no substance on the REACH candidate list Contains no REACH Annex XIV substances

VOC content	:	
Directive 2012/18/EU	(SEVESO III)	

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15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment No chemical safety assessment has been carried out

Abbreviations and acrony	/ms:
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC50	Median effective concentration
IARC	International Agency for Research on Cancer
ΙΑΤΑ	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
vPvB	Very Persistent and Very Bioaccumulative
Full text of H- and EUH-s	tatements:
Skin Sens. 1B	Skin sensitisation, category 1B
STOT RE 2	Specific target organ tovicity — Poposted expecting Category 2

Skin Sens. 1B	Skin sensitisation, category 1B
STOT RE 2	Specific target organ toxicity — Repeated exposure, Category 2
H317	May cause an allergic skin reaction.
H373	May cause damage to organs through prolonged or repeated exposure.
EUH208	Contains C14-16-18 Alkyl phenol. May produce an allergic reaction.
EUH210	Safety data sheet available on request.

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product