SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Chemical name/ trade name: **GLIDE 220**

Producer: **OMA CZ, a.s.**
Address: **Stráž pod Ralskem, 47127, Borová 103**

Distributor: **OMA CZ, a.s.**
Address: **Stráž pod Ralskem, 47127, Borová 103**

1.2 Relevant identified uses of the substance or mixture and uses advised against

Intended use: Oil for sliding guides.
Uses advised against: The use should be limited to those listed above.

1.3 Details of the supplier of the safety data sheet

Supplier of SDS: OMA CZ, a.s.
Address: Stráž pod Ralskem, 47127, Borová 103
Identification No.: 25406761
Tel: +420 487 851 016
www: www.omacz.cz
Responsible person for this SDS: OMA CZ, a.s., laborator@omacz.cz

1.4 Emergency telephone number

National Poisons Information Service (NPIS), Royal Infirmary of Edinburgh, Edinburgh EH16 4SA, United Kingdom, Tel.: +44 121 507 4123, 844 892 0111

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

The product is not classified as dangerous according to Regulation (EC) No 1272/2008 (CLP).

2.2 Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]:

Hazard pictogram(s): None.

Signal word(s): None.

Contain: -

Hazard statement(s): None.

Precautionary statement(s): None.

Supplemental information: EUH210 Safety data sheet available on request.

2.3 Other hazards

This product does not contain any substances which are classified as PBT or vPvB in a concentration of 0.1% by weight or higher.
This product does not contain SVHC in a concentration of 0.1% by weight or higher.
This product does not contain endocrine disruptors in a concentration of 0.1% by weight or higher.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Name of the component	Content (weight %)	CAS EINECS Index N° Reg. Number	Classification according to Regulation (EC) No. 1278/2008 (CLP)	
Base oil - unspecified	38 - 97	64742-54-7 265-157-1 649-467-00-8 01-2119484627-25-0000	Carc. 1B *Note L*	H350
Base oil - unspecified	0 - 60	101316-69-2 309-874-0 649-527-00-3	Carc. 1B *Note L*	H350
Amines, C11-14-branched alkyl, monohexyl and dihexyl phosphates	0,375 - 0,75	80939-62-4 279-632-6 - 01-2119976322-36	Aquatic Chronic 2 Eye Irrit. 2 Skin Irrit. 2	H411 H319 H315
2,6-di-tert-butyl-p-cresol	0,075 - 0,15	128-37-0 204-881-4 - 01-2119480433-40	*Aquatic Acute 1* *Aquatic Chronic 1* *M-factor: 1*	H400 H410

Note L: The mineral oil used has a DMSO value of <3% and is therefore not classified as a carcinogen.

For full text of H-statements see SECTION 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice:

In any case, avoid chaotic behavior. If you need medical treatment, always take the original package with the label or the safety data sheet. In life-threatening conditions, first resuscitate the affected person and arrange for medical assistance. Breathing - Immediately perform artificial respiration. Heart arrest - Immediately perform an indirect heart massage. Unconscious - place the affected person in a stabilized position on the side. It is always necessary to assess the situation with regard to the patient's own safety and safety. Only enter the infested area if we have adequate protection (insulating respirator, mask with the appropriate filter, protection by another worker, etc.) ATTENTION! Whenever it is a poorly ventilated area, it is important to consider the possibility that the room is infested! When handling contaminated clothing or other items, protect it with adequate personal protective equipment, including gloves. First aid should not be carried out at the place where the accident occurred, if there is a risk of the rescuer being contaminated.

Inhalation:

Break Exposure. Remove victim to fresh air, keep calm and warm.

Skin contact:

Remove contaminated clothing and footwear. Wash the affected skin with water and soap. If there is irritation, seek medical attention.

Eye contact:

If the contact lenses are used, carefully remove them and start rinsing with clean water, the affected eye wide open, from the inner corner to the outside and also under the lid for at least 15 minutes. If problems persist, seek medical attention.

Ingestion:

Rinse mouth with water. Do not induce vomiting. Never give anything by mouth to an unconscious person or if it has cramps.

Protection of first aiders:

When providing first aid, it is essential to ensure both the rescue and the rescued safety.

4.2 Most important symptoms and effects, both acute and delayed

In contact with the skin: in case of prolonged contact with the product - possible redness, allergic reactions.
In case of contact with eyes: possible redness, tearing, burning.
If swallowed: abdominal pain, fainting, vomiting.
If inhaled: prolonged inhalation of vapours or frequent respiratory exposure may cause mild respiratory tract irritation.

4.3 Indication of any immediate medical attention and special treatment needed

Do not induce vomiting. Never administer anything into the mouth of an unconscious person. Show the doctor this MSDS or the product label. The decision on how to administer aid will be made by by a physician after a thorough assessment of the victim's condition. Instructions to the physician: Use symptomatic treatment.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media:	Foam, extinguishing powder, CO2, water mist.
Unsuitable extinguishing media:	Direct water flow - could cause fire to spread.

5.2 Special hazards arising from the substance or mixture

Flammable product with high flash point. Hazardous gases may be produced in case of fire: Carbon oxides, nitrogen oxides, sulphur oxides, unidentified thermal decomposition products. higher hydrocarbons. Avoid products of combustion, they can be hazardous to health.

5.3 Advice for firefighters

Respiratory units exposed to smoke or vapors must be equipped with respiratory and eye protection devices. When using in enclosed areas, an insulating respirator must be used. Containers exposed to fire cool with water mist. Collect extinguishing water separately, and avoid its penetration into the soil and water. Chemical protective clothing (EN 469).

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear suitable protective clothing, replace contaminated clothing. Avoid contact with skin and eyes, contamination of clothes and shoes. Ensure ventilation of the affected area. All persons who do not participate in rescue operations to a safe distance.

6.2 Environmental precautions

Prevent leakage into the environment, avoid ingress into surface water and sewers, soil and land. In case of leakage into the sewage system or water course, inform immediately its administrator, the police, the fire brigade or the environmental department.

6.3 Methods and material for containment and cleaning up

In case of leakage, localize and, if possible, absorb / remove mechanically. Residues or smaller amounts sweep / get absorbed into a suitable absorbent (universal sorbent, diatomaceous earth, soil, sand) and place in suitable containers and labeled for disposal transmit in accordance with applicable regulations.

6.4 Reference to other sections

See section 7, 8 a 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Use appropriate PPE. Use only in well-ventilated areas with fresh air intake or with adequate ventilation. Do not eat, drink, smoke. After working, wash your hands. Comply with regulations on health and safety at work.

7.2 Conditions for safe storage, including any incompatibilities

Store in well-sealed original containers in a dry, cool and well-ventilated place place. Store in a place with non-absorbent substrate. The product may be stored in storage tanks in accordance with applicable regulations. Avoid direct sunlight, sources of heat. Protect the product from water ingress. Store the product in a safe away from strong oxidizing agents. Storage temperature :-20 - 40 °C.

7.3 Specific end use(s)

See section 1.2.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Exposure limits: According to national legislation of target country.

Substance	CAS	Permissible exposure limits (mg/m³)	Maximum permissible concentration (mg/m³)	Note
Mineral oils	-	5	10	
2,6-di-tert-butyl-p-cresol	128-37-0	10		

Substances with Community Exposure Limits:

Substance	CAS	Limit values (mg/m³)		Note
		OEL	STEL	
No data available.				

DNEL

Amines, C11-14-branched alkyl, monohexyl and dihexyl phosphates (CAS: 80939-62-4)

Exposed group and route of exposure	Duration of exposure	Type of effect	Unit	Value
Workers				
Inhalation	Long-term (chronic)	systemic	mg/m³	0.2
Dermal	Long-term (chronic)	systemic	mg/kg bw/d	0.03
Consumers				
Inhalation	Long-term (chronic)	systemic	mg/m³	0.05
Dermal	Long-term (chronic)	systemic	mg/kg bw/d	0.01
Oral	Long-term (chronic)	systemic	mg/kg bw/d	0.01

2,6-di-tert-butyl-p-cresol (CAS: 128-37-0)

Exposed group and route of exposure	Duration of exposure	Type of effect	Unit	Value
Workers				
Inhalation	Long-term (chronic)	systemic	mg/m³	1.76
Dermal	Long-term (chronic)	systemic	mg/kg bw/d	0.5
Consumers				
Inhalation	Long-term (chronic)	systemic	mg/m³	0.435
Dermal	Long-term (chronic)	systemic	mg/kg bw/d	0.25
Oral	Long-term (chronic)	systemic	mg/kg bw/d	0.25

Base oil - unspecified

Exposed group and route of exposure	Duration of exposure	Type of effect	Unit	Value
Workers				
Inhalation	Long-term (chronic)	systemic	mg/m³	2.73
	Short-term (acute)	systemic	mg/m³	5.58
Dermal	Long-term (chronic)	systemic	mg/kg bw/d	0.97
Consumers				
Oral	Long-term (chronic)	systemic	mg/kg bw/d	0.74

Base oil - unspecified

Exposed group and route of exposure	Duration of exposure	Type of effect	Unit	Value
Workers				
Inhalation	Long-term (chronic)	systemic	mg/m³	2.73
	Short-term (acute)	systemic	mg/m³	5.58
Dermal	Long-term (chronic)	systemic	mg/kg bw/d	0.97
Consumers				
Oral	Long-term (chronic)	systemic	mg/kg bw/d	0.74

PNEC

Amines, C11-14-branched alkyl, monohexyl and dihexyl phosphates (CAS: 80939-62-4)

Component of the environment		PNEC	Unit	Value
Water environment	Freshwater	$PNEC_{water, fresh.}$	mg/L	0.055
	Freshwater, occasional leakage	$PNEC_{water, fresh.}$	mg/L	0.01
	Freshwater sediment	$PNEC_{sed., fresh.}$	mg/kg sediment dw	239.64
	Seawater	$PNEC_{water, mar.}$	mg/L	0.005
	Marine sediment	$PNEC_{sed., mar.}$	mg/kg sediment dw	23.964
Microbiological activity	Wastewater treatment plant	$PNEC_{sew. treat.}$	mg/L	1
Terrestrial environment / organisms	Soil	$PNEC_{soil}$	mg/kg soil dw	47.76

2,6-di-tert-butyl-p-cresol (CAS: 128-37-0)

Component of the environment		PNEC	Unit	Value
Water environment	Freshwater	$PNEC_{water, fresh.}$	µg/L	0.199
	Freshwater, occasional leakage	$PNEC_{water, fresh.}$	µg/L	1.99
	Freshwater sediment	$PNEC_{sed., fresh.}$	mg/kg sediment dw	0.458
	Seawater	$PNEC_{water, mar.}$	µg/L	0.02
	Marine sediment	$PNEC_{sed., mar.}$	mg/kg sediment dw	0.046
Microbiological activity	Wastewater treatment plant	$PNEC_{sew. treat.}$	mg/L	0.017
Terrestrial environment / organisms	Soil	$PNEC_{soil}$	mg/kg soil dw	0.054
Food chain	Predators	$PNEC_{oral.}$	mg/kg food	16.67

Base oil - unspecified

Component of the environment		PNEC	Unit	Value
Food chain	Predators	$PNEC_{oral.}$	mg/kg food	9.33

Base oil - unspecified

Component of the environment		PNEC	Unit	Value
Food chain	Predators	PNEC $_{oral.}$	mg/kg food	9.33

8.2 Exposure controls

Technical measures: Technical measures and appropriate work procedures take precedence over personal protective equipment. Observe the usual hygiene principles. Do not eat, drink, smoke. Before breaks and after work wash your hands with warm water and soap.

Individual protection measures

Respiratory protection: If the exposure limits are exceeded, when using dust, fog, aerosol, use a suitable filter (type ABEK -EN 14387 - anti-gas and combined filters, type P -EN 143 - particle filters, type FFP3 / FFP2 - EN 149+A1 - Particle-based half masks; EN 142 - mouth masks).

Hand protection: Protective working gloves (EN 374). Observe the manufacturer's exact instructions, including the time of use. Replace damaged gloves.

Eye / face protection: Safety glasses with side-plates or facial shields (EN 166).

Skin protection: Working clothes (EN ISO 13688) and footwear (EN ISO 20347). Protective clothing against liquid chemicals (EN 14605+A1). Protective clothing against chemicals (EN ISO 14325).

Thermal hazards: No data available.

Environmental exposure controls: Avoid unnecessary releases into the environment.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Property	Value		Method
Physical state:	Liquid		
Colour:	Amber to dark brown		
Odour:	Characteristic, petroleum		
Odour threshold:	No data available.		
pH :	No data available.		
Point of fluidity (°C):	max. - 9		
Boiling point or initial boiling point and boiling range (°C):	No data available.		
Flash point (°C):	min. 180		
Evaporation rate:	No data available.		
Flammability (gases, liquids and solids):	Flammable liquid		
Lower and upper explosion limit:	Flammability of oil mist at a concentration of about 45 g/m^3		
Vapour pressure (20 °C):	No data available.		
Vapour pressure (50 °C):	No data available.		
Relative vapour density:	No data available.		
Density and/or relative density (g/cm^3, 15 °C):	0.88 - 0.9		
Solubility (20 °C):	Insoluble in water, soluble in hydrocarbons		
Partition coefficient n-octanol/water (log value):	No data available.		
Auto-ignition temperature:	No data available.		
Decomposition temperature:	No data available.		

Kinematic viscosity (mm^2/s):	198 - 242 at 40 °C		
Refractive index (20 °C):	No data available.		
Oxidising properties:	No data available.		
Explosive properties:	No data available.		

9.2 Other information

VOC (%): 0
Dry matter content: No data available.
Additional information: No data available.

9.2.1 Information with regard to physical hazard classes

The product has no physical hazards.

9.2.2 Other safety characteristics

No data available.

SECTION 10: Stability and reactivity

10.1 Reactivity

Not expected under proper conditions of use.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

Dangerous reactions are not known.

10.4 Conditions to avoid

Open flames, high temperatures, and other sources of ignition.

10.5 Incompatible materials

Strong oxidizing agents.

10.6 Hazardous decomposition products

Hazardous decomposition products are not known.

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Individual components

Amines, C11-14-branched alkyl, monohexyl and dihexyl phosphates (CAS: 80939-62-4)

Acute toxicity:

Test type	Results	Exposure	Tested organisms
OECD 401, key study	> 5 000 mg/kg bw, LD50	oral: gavage	rat
OECD 402, key study	> 2 000 mg/kg bw, LD50	dermal	rat

Serious eye damage / irritation:

Test type	Results	Exposure	Tested organisms
OECD 405, key study	irritating	Eye	rabbit

Skin corrosion / irritation:

Test type	Results	Exposure	Tested organisms
OECD 404, key study	irritating	Skin	rabbit

Respiratory or skin sensitisation:

Test type	Results	Exposure	Tested organisms
OECD 406, key study	not sensitising	Skin	guinea pig

STOT - single exposure:

Test type	Results	Exposure	Tested organisms
	No data available.		

STOT - repeated exposure:

Test type	Results	Exposure	Tested organisms
OECD 422, key study	other: , NOAEL 10 mg/kg bw/day (actual dose received), LOAEL	oral	rat

Carcinogenicity:

Test type	Results	Exposure	Tested organisms
	No data available.		

Germ cell mutagenicity:

Test type	Results	Exposure	Tested organisms
	No data available.		

Reproductive toxicity:

Test type	Results	Exposure	Tested organisms
OECD 422, key study	10 mg/kg bw/day (actual dose received), LOAEL 100 mg/kg bw/day (actual dose received), NOAEL 100 mg/kg bw/day (actual dose received), NOAEL	oral: gavage	rat

Aspiration hazard:

Test type	Results	Exposure	Tested organisms
	No data available.		

2,6-di-tert-butyl-p-cresol (CAS: 128-37-0)

Acute toxicity:

Test type	Results	Exposure	Tested organisms
OECD 401, key study	> 6 000 mg/kg bw, LD50	oral: gavage	rat
OECD 402, key study	> 2 000 mg/kg bw, LD50	dermal	rat
supporting study	59.7 ppm, RD50	inhalation: vapour	mouse

Serious eye damage / irritation:

Test type	Results	Exposure	Tested organisms

key study	GHS criteria not met	Eye	rabbit

Skin corrosion / irritation:

Test type	Results	Exposure	Tested organisms
key study	GHS criteria not met	Skin	rabbit

Respiratory or skin sensitisation:

Test type	Results	Exposure	Tested organisms
key study	GHS criteria not met	Skin	human

STOT - single exposure:

Test type	Results	Exposure	Tested organisms
	No data available.		

STOT - repeated exposure:

Test type	Results	Exposure	Tested organisms
key study	>= 61 mg/kg bw/day (actual dose received), NOAEL	oral	pig

Carcinogenicity:

Test type	Results	Exposure	Tested organisms
key study	25 mg/kg bw/day (nominal), NOAEL 100 , LOAEL 250 mg/kg bw/day (nominal), dose level:	oral: feed	rat

Germ cell mutagenicity:

Test type	Results	Exposure	Tested organisms
key study	negative	oral: feed	rat

Reproductive toxicity:

Test type	Results	Exposure	Tested organisms
key study	500 mg/kg bw/day, NOAEL 25 mg/kg bw/day, LOAEL	oral: feed	rat

Aspiration hazard:

Test type	Results	Exposure	Tested organisms
	No data available.		

Base oil - unspecified

Acute toxicity:

Test type	Results	Exposure	Tested organisms

OECD 401, key study	> 5 000 mg/kg bw, LD50	oral: gavage	rat
OECD 402, key study	> 5 000 mg/kg bw, LD50	dermal	rabbit
OECD 403, key study	2.18 mg/L air	inhalation: aerosol	rat

Serious eye damage / irritation:

Test type	Results	Exposure	Tested organisms
OECD 405, key study	not irritating	Eye	rabbit

Skin corrosion / irritation:

Test type	Results	Exposure	Tested organisms
OECD 404, key study	study cannot be used for classification	Skin	rabbit

Respiratory or skin sensitisation:

Test type	Results	Exposure	Tested organisms
OECD 406, key study	not sensitising	Skin	guinea pig

STOT - single exposure:

Test type	Results	Exposure	Tested organisms
	No data available.		

STOT - repeated exposure:

Test type	Results	Exposure	Tested organisms
OECD 408, key study	125 mg/kg bw/day (nominal), NOAEL	oral	rat
OECD 412, key study	ca. 220 mg/m³ air (analytical), NOEC > 980 mg/m³ air (analytical), NOAEC	inhalation	rat
OECD 453, key study	100 mg/kg bw/day, LOAEL	dermal	mouse

Carcinogenicity:

Test type	Results	Exposure	Tested organisms
OECD 453, key study	100 mg/kg bw/day, dose level: 75 microlitres per week (100 mg/kg/day)	dermal	mouse

Germ cell mutagenicity:

Test type	Results	Exposure	Tested organisms
OECD 474, key study	negative	oral gavage or intraperitoneal injection	mouse

Reproductive toxicity:

Test type	Results	Exposure	Tested organisms

OECD 421, key study	>= 1 000 mg/kg bw/day, NOAEL >= 1 000 mg/kg bw/day, NOAEL	oral: gavage	rat

Aspiration hazard:

Test type	Results	Exposure	Tested organisms
	No data available.		

Base oil - unspecified

Acute toxicity:

Test type	Results	Exposure	Tested organisms
OECD 401, key study	> 5 000 mg/kg bw, LD50	oral: gavage	rat
OECD 402, key study	> 5 000 mg/kg bw, LD50	dermal	rabbit
OECD 403, key study	2.18 mg/L air, LC50	inhalation: aerosol	rat

Serious eye damage / irritation:

Test type	Results	Exposure	Tested organisms
OECD 405, key study	not irritating	Eye	rabbit

Skin corrosion / irritation:

Test type	Results	Exposure	Tested organisms
OECD 404, key study	study cannot be used for classification	Skin	rabbit

Respiratory or skin sensitisation:

Test type	Results	Exposure	Tested organisms
OECD 406, key study	not sensitising	Skin	guinea pig

STOT - single exposure:

Test type	Results	Exposure	Tested organisms
	No data available.		

STOT - repeated exposure:

Test type	Results	Exposure	Tested organisms
OECD 408, key study	125 mg/kg bw/day (nominal), NOAEL	oral	rat
OECD 412, key study	ca. 220 mg/m³ air (analytical), NOEC > 980 mg/m³ air (analytical), NOAEC	inhalation	rat
OECD 453, key study	100 mg/kg bw/day, LOAEL	dermal	mouse

Carcinogenicity:

Test type	Results	Exposure	Tested organisms

OECD 453, key study	100 mg/kg bw/day, dose level: 75 microlitres per week (100 mg/kg/day)	dermal	mouse

Germ cell mutagenicity:

Test type	Results	Exposure	Tested organisms
OECD 474, key study	negative	oral gavage or intraperitoneal injection	mouse

Reproductive toxicity:

Test type	Results	Exposure	Tested organisms
OECD 421, key study	>= 1 000 mg/kg bw/day, NOAEL >= 1 000 mg/kg bw/day, NOAEL	oral: gavage	rat

Aspiration hazard:

Test type	Results	Exposure	Tested organisms
	No data available.		

mixture

Acute toxicity:	The product does not meet the criteria for classification.
Serious eye damage / irritation:	The product does not meet the criteria for classification.
Skin corrosion / irritation:	The product does not meet the criteria for classification.
Respiratory or skin sensitisation:	The product does not meet the criteria for classification.
STOT - single exposure:	The product does not meet the criteria for classification.
STOT - repeated exposure:	The product does not meet the criteria for classification.
Carcinogenicity:	The product does not meet the criteria for classification.
Germ cell mutagenicity:	The product does not meet the criteria for classification.
Reproductive toxicity:	The product does not meet the criteria for classification.
Aspiration hazard:	The product does not meet the criteria for classification.

11.2 Information on other hazards

Endocrine disrupting properties

This product does not contain endocrine disruptors in a concentration of 0.1% by weight or higher.

Other information

No data available.

SECTION 12: Ecological information

12.1 Toxicity

The product does not meet the criteria for classification.

Amines, C11-14-branched alkyl, monohexyl and dihexyl phosphates (CAS: 80939-62-4)

Toxicity	Tested organisms	Results	Test type

Acute toxicity to fish	*Oncorhynchus mykiss*	> 5.8 mg/L, LC50 / 24 h > 5.8 mg/L, LC50 / 48 h > 5.8 mg/L, LC50 / 72 h 5.5 mg/L, LC50 / 96 h 3.2 mg/L, LC0 / 96 h 5.5 mg/L, LC50 / 96 h > 5.8 mg/L, LC100 / 96 h	OECD 203
Acute toxicity to invertebrates	*Daphnia magna*	>= 1 mg/L, EC0 / 48 h > 1 mg/L, EC50 / 48 h > 1 mg/L, EC100 / 48 h	OECD 202
Acute toxicity to aquatic algae	*Pseudokirchneriella subcapitata*	4.9 mg/L, EC10 / 72 h > 10 mg/L, EC50 / 72 h > 10 mg/L, EC90 / 72 h 3.2 mg/L, NOEC / 72 h 10 mg/L, LOEC / 72 h 3.5 mg/L, EC10 / 72 h 7.1 mg/L, EC50 / 72 h > 10 mg/L, EC90 / 72 h 3.2 mg/L, NOEC / 72 h 10 mg/L, LOEC / 72 h	OECD 201
Biotic degradation		Under test conditions no biodegradation observed (100%)	
log Kow / log Pow		1.74 - 11.61 @ 25 °C	

2,6-di-tert-butyl-p-cresol (CAS: 128-37-0)

Toxicity	Tested organisms	Results	Test type
Acute toxicity to fish	*Danio rerio*	>= 0.57 mg/L, LC0 / 96 h > 0.57 mg/L, LC50 / 96 h	
Acute toxicity to invertebrates	*Daphnia magna*	0.48 mg/L, EC50 / 48 h 0.15 mg/L, NOEC / 48 h	OECD 202
Acute toxicity to aquatic algae	*Desmodesmus subspicatus*	> 0.4 mg/L, EC50 / 72 h ca. 0.4 mg/L, EC10 / 72 h > 0.4 mg/L, EC50 / 72 h	
Biotic degradation		Under test conditions no biodegradation observed (100%)	
Bioaccumulation		1 277	
log Kow / log Pow		5,2	

Base oil - unspecified

Toxicity	Tested organisms	Results	Test type
Acute toxicity to fish	*Pimephales promelas*	> 100 mg/L, LL50 / 96 h >= 100 mg/L, NOEL: / 96 h	OECD 203
Acute toxicity to invertebrates	*Daphnia magna*	> 10 000 mg/L, EL50 / 24 h > 10 000 mg/L, EL50 / 48 h >= 10 000 mg/L, NOEL: / 48 h	OECD 202
Acute toxicity to aquatic algae	*Raphidocelis subcapitata*	>= 100 mg/L, NOEL: / 72 h >= 100 mg/L, NOEL: / 72 h	OECD 201

Base oil - unspecified

Toxicity	Tested organisms	Results	Test type
Acute toxicity to fish	*Pimephales promelas*	> 100 mg/L, LL50 / 96 h >= 100 mg/L, other: / 96 h	OECD 203
Acute toxicity to invertebrates	*Gammarus pulex*	> 10 000 mg/L, LL50 / 24 h > 10 000 mg/L, LL50 / 48 h > 10 000 mg/L, LL50 / 72 h > 10 000 mg/L, LL50 / 96 h >= 10 000 mg/L, other: / 96 h	OECD 202
Acute toxicity to aquatic algae	*Pseudokirchneriella subcapitata*	>= 100 mg/L, other: / 72 h >= 100 mg/L, other: / 72 h	OECD 201

12.2 Persistence and degradability

There is no data available for the product.

The biodegradability of the component is given in sec. 12.1

12.3 Bioaccumulative potential

There is no data available for the product.

The value of the partition coefficient of the component is given in sec. 12.1

The value of the bioaccumulation factor of the component is given in sec. 12.1

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

This product does not contain any substances which are classified as PBT or vPvB in a concentration of 0.1% by weight or higher.

12.6 Endocrine disrupting properties

This product does not contain endocrine disruptors in a concentration of 0.1% by weight or higher.

12.7 Other adverse effects

No data available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Catalogue No. of substance/mixture waste:	13 02 05 Mineral-based non-chlorinated engine, gear and lubricating oils 15 02 02 Absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by dangerous substances
Waste codes / waste designations according to LoW:	15 01 10 Packaging containing residues of or contaminated by dangerous substances
Recommended procedure for substance/mixture waste disposal:	No data available.
Recommended procedure for packaging disposal:	Empty containers must be disposed of in accordance with the applicable waste legislation. After perfect cleaning, the packaging can be used as a secondary raw material for the same purpose. Recommended way of disposing of recycling, burning in a hazardous waste incinerator or storing hazardous waste.
Physical / chemical properties that may affect waste treatment method:	No data available.
Sewage disposal-relevant information:	Protect against weathering. Prevent leakage of waste into the water / soil / sewage system. In case of leakage, inform the competent authorities.

Other disposal recommendations: Dispose of in accordance with applicable legislation.

SECTION 14: Transport information

	Type of transport	Land transport ADR / RID	Sea transport IMDG	Air Transport ICAO / IATA
14.1	UN number or ID number	There is no dangerous good in terms of transport.	There is no dangerous good in terms of transport.	There is no dangerous good in terms of transport.
14.2	UN proper shipping name			
14.3	Transport hazard class(es)			
	Classification code	-	-	-
	Labels			
14.4	Packing group			

14.5 Environmental hazards

No data available.

14.6 Special precautions for user

No data available.

14.7 Maritime transport in bulk according to IMO instruments

Not specified.

Other information

Type of transport	Land transport ADR / RID	Sea transport IMDG	Air Transport ICAO / IATA
Limited quantities:			
Excepted quantities:			
Transport category:		-	-
Tunnel restriction code:		-	-
Segregation group:	-		-

SECTION 15: Regulatory information

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

Regulation (EC) No. 1272/2008 (CLP) on classification, labelling and packaging of substances and mixtures,…
Regulation (EC) No. 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH),…
Applicable national regulations.

The product contains substance Distillates (petroleum), hydrotreated heavy paraffinic, Lubricating oils (petroleum), C>25, solvent-extd., deasphalted, dewaxed, hydrogenated, that is included in Annex XVII. of REACH Regulation.

15.2 Chemical safety assessment

Chemical safety assessment hasn't been made.

SECTION 16: Other information

Complete text of all classifications and hazard classes referred to in SECTION 3

Hazard class:

Aquatic Chronic 1 - Chronic (long term) aquatic hazard, category 1
Aquatic Chronic 2 - Chronic (long term) aquatic hazard, category 2
Carc. 1B - Carcinogen, category 1B
Eye Irrit. 2 - Eye irritation, category 2
Skin Irrit. 2 - Skin irritation, category 2

H-statements:

H315 Causes skin irritation.
H319 Causes serious eye irritation.
H350 May cause cancer <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.
H410 Very toxic to aquatic life with long lasting effects.
H411 Toxic to aquatic life with long lasting effects.

Abbreviations:

ADN	Inland waterways
ADR	Accord Dangereuses Route
CAS	Chemical Abstracts Service
DNEL	Derived no-effect level
EC50	Effect concentration for 50%
EINECS	European Inventory of Existing Commercial Chemical Substances
EL50	Effect level for 50%
IATA	International Air Transport Association
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
LC50	Lethal concentration for 50%
LD50	Lethal dose for 50%
LL50	Lethal load for 50%
LOAEL	Lowest observable adverse effect level
LOEC	Lowest observable effect concentration
NOAEC	No observable adverse effect concentration
NOAEL	No observable adverse effect level
NOEC	No observable effect concentration
NPK-P	Maximum permissible concentration
OEL	Occupational Exposure Limit (workplace exposure limit - 8 hours / shift)
PBT	Persistent, bioacumulative and toxic
PEL	Permissible exposure limits
PNEC	Predicted no-effect concentration
RID	Regulations for the International Carriage of Dangerous Goods by Rail
STEL	Short Term Exposure Limit (short exposure - corresponds to approx. 15 min.)
VOC	Volatile organic substances
vPvB	Very persistent and very bioacumulative
WGK	Hazard classes for water (Wassergefährdungsklassen)

Changes to previous version SDS:

New SDS based on Commission Regulation (EU) 2020/878. The classification has been performed by calculation method.

Instructions for training

Workers who come into contact with dangerous substances must be aware of the effects of these substances, how they are treated, and protective measures to the extent necessary.

Furthermore, they must be familiar with the first aid principles, with the necessary sanitation procedures and with the procedures for disaster and accident elimination.
The person handling this chemical product must be familiar with the safety rules and the data given in the safety data sheet.

If a hazardous chemical / mixture is classified as corrosive or toxic, workers should be made aware of the Corrosive / Toxic Chemicals / Mixing Rules.
Persons carrying dangerous substances must be familiar with the ADR / RID accident instructions.

Other information

The above information describes the conditions for safe handling of the product and corresponds to the current knowledge of the manufacturer and serves as instruction for the training of the persons handling the product.
The manufacturer carries guarantee the above-described properties of the product at the recommended use.
The user is responsible for determining the suitability of the product for specific purposes and adapting security measures if such application is contrary to the manufacturer's recommendations.