

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878 Issue date: 18-7-2018 Revision date: 21-6-2024 Supersedes version of: 28-10-2022 Version: 2.3

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

## 1.1. Product identifier

Product form	: Mixture
Trade name	: VatOil ZHM Fluid
UFI	: TUE0-20JG-K00J-6T4C
Product code	: VG.30.03
Type of product	: Lubricants
Product group	: Trade product

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

#### 1.2.1. Relevant identified uses

Intended for general public		
Main use category	:	Industrial use
Use of the substance/mixture	:	Hydraulic oil

### 1.2.2. Uses advised against

No additional information available

## 1.3. Details of the supplier of the safety data sheet

VatOil Dollegoorweg 15 NL 7602 EC Almelo Netherlands T 0031 (0)546 81 81 65 vib@vatoil.com

### 1.4. Emergency telephone number

Country/Area	Organisation/Company	Address	Emergency number	Comment
Ireland	National Poisons Information Centre Beaumont Hospital	PO Box 1297 Beaumont Road 9	+353 1 809 2566 (Healthcare professionals- 24/7) +353 1 809 2166 (public, 8am - 10pm, 7/7)	
United Kingdom	National Poisons Information Service (Cardiff Centre) University Hospital Llandough	Penlan Road CF64 2XX	0344 892 0111	Only for healthcare professionals

## **SECTION 2: Hazards identification**

### 2.1. Classification of the substance or mixture

## Classification according to Regulation (EC) No. 1272/2008 [CLP]

Aspiration hazard, Category 1	H304
Full text of H- and EUH-statements: see section 16	

#### Adverse physicochemical, human health and environmental effects

To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice. May be fatal if swallowed and enters airways.

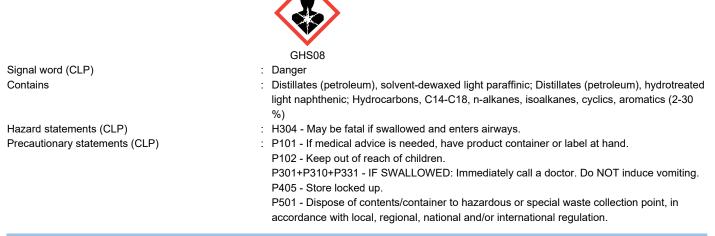
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### 2.2. Label elements

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

Hazard pictograms (CLP)



### 2.3. Other hazards

Contains no PBT and/or vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

Component	
Substance(s) not meeting the PBT criteria of REACH regulation, in accordance with Annex XIII	Distillates (petroleum), solvent-dewaxed light paraffinic (64742-56-9), Distillates (petroleum), hydrotreated light naphthenic (64742-53-6)
Substance(s) not meeting the vPvB criteria of REACH regulation, in accordance with Annex XIII	Distillates (petroleum), solvent-dewaxed light paraffinic (64742-56-9), Distillates (petroleum), hydrotreated light naphthenic (64742-53-6)

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

## **SECTION 3: Composition/information on ingredients**

#### 3.1. Substances

#### Not applicable

### 3.2. Mixtures

#### Comments

: Highly refined mineral oils and additives.

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Distillates (petroleum), solvent-dewaxed light paraffinic substance with a Community workplace exposure limit (Note L)	CAS-No.: 64742-56-9 EC-No.: 265-159-2 EC Index-No.: 649-469-00-9 REACH-no: 01-2119480132- 48	50 – 80	Asp. Tox. 1, H304
Distillates (petroleum), hydrotreated light naphthenic (Note L)	CAS-No.: 64742-53-6 EC-No.: 265-156-6 EC Index-No.: 649-466-00-2 REACH-no: 01-2119480375- 34	25 – 80	Asp. Tox. 1, H304

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Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, aromatics (2-30 %)	CAS-No.: 1174522-18-9 EC-No.: 920-360-0 REACH-no: 01-2119448343- 41	< 5	Asp. Tox. 1, H304 EUH066
Phosphorodithioic acid, mixed O,O-bis(2-ethylhexyl and iso-Bu and iso-Pr) esters, zinc salts	CAS-No.: 85940-28-9 EC-No.: 288-917-4 REACH-no: 01-2119521201- 61	< 2,5	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Chronic 2, H411
N-methyl-N-[C18-(unsaturated)alkanoyl]glycine	CAS-No.: 110-25-8 EC-No.: 701-177-3 REACH-no: 01-2119488991- 20	< 1	Acute Tox. 4 (Inhalation:dust,mist), H332 Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Acute 1, H400 Aquatic Chronic 3, H412

Specific concentration limits:		
Name	Product identifier	Specific concentration limits (%)
Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, aromatics (2-30 %)	CAS-No.: 1174522-18-9 EC-No.: 920-360-0 REACH-no: 01-2119448343- 41	(25 ≤ C < 100) EUH066

Note L: The harmonised classification as a carcinogen applies unless it can be shown that the substance contains less than 3 % of dimethyl sulphoxide extract as measured by IP 346 ("Determination of polycyclic aromatics in unused lubricating base oils and asphaltene free petroleum fractions – Dimethyl sulphoxide extraction refractive index method" Institute of Petroleum, London), in which case a classification in accordance with Title II of this Regulation shall be performed also for that hazard class.

Full text of H- and EUH-statements: see section 16

## SECTION 4: First aid measures

4.1. Description of first aid measures	
First-aid measures general First-aid measures after inhalation First-aid measures after skin contact First-aid measures after eye contact First-aid measures after ingestion	<ul> <li>Call a physician immediately.</li> <li>Remove person to fresh air and keep comfortable for breathing.</li> <li>Wash skin with plenty of water.</li> <li>Rinse eyes with water as a precaution.</li> <li>Do not induce vomiting. Call a physician immediately.</li> </ul>
4.2. Most important symptoms and eff	ects, both acute and delayed
Symptoms/effects after inhalation	: Although no appropriate human or animal health effects data are known to exist, this material is expected to be an inhalation hazard.
Symptoms/effects after skin contact Symptoms/effects after eye contact Symptoms/effects after ingestion	<ul> <li>None under normal conditions.</li> <li>None under normal conditions.</li> <li>Risk of lung oedema.</li> </ul>

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

Treat symptomatically.

SECTION 5: Firefighting measur	es
5.1. Extinguishing media	
Suitable extinguishing media	: Water spray. Dry powder. Foam. Carbon dioxide.

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Unsuitable extinguishing media	: Do not use a heavy water stream.	
5.2. Special hazards arising from the substance or mixture		
Fire hazard Explosion hazard Hazardous decomposition products in case of fire	<ul> <li>Combustible liquid.</li> <li>No direct explosion hazard.</li> <li>Toxic fumes may be released. Incomplete combustion releases dangerous carbon monoxide, carbon dioxide and other toxic gases.</li> </ul>	
5.3. Advice for firefighters		
Firefighting instructions Protection during firefighting	<ul> <li>Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection.</li> <li>Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.</li> </ul>	

SECTION 6: Accidental release measures		
6.1. Personal precautions, protective equipment and emergency procedures		
General measures	: Stop leak if safe to do so. Notify authorities if product enters sewers or public waters. Absorb spillage to prevent material damage.	
6.1.1. For non-emergency personnel		
Protective equipment	: Wear recommended personal protective equipment.	
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".	
Emergency procedures	: Evacuate unnecessary personnel. Stop leak if safe to do so.	
6.2. Environmental precautions		

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up		
For containment	: Absorb spilled material with sand or earth. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Stop leak without risks if possible.	
Methods for cleaning up Other information	<ul><li>Take up liquid spill into absorbent material.</li><li>Dispose of materials or solid residues at an authorized site.</li></ul>	

## 6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage	<b>)</b>
7.1. Precautions for safe handling	
Additional hazards when processed Precautions for safe handling Hygiene measures	<ul> <li>Not expected to present a significant hazard under anticipated conditions of normal use.</li> <li>Ensure good ventilation of the work station. Wear personal protective equipment.</li> <li>Do not eat, drink or smoke when using this product. Always wash hands after handling the product.</li> </ul>
7.2. Conditions for safe storage, inclu	iding any incompatibilities
Technical measures Storage conditions Storage temperature Packaging materials	<ul> <li>Keep in a cool, well-ventilated place away from heat.</li> <li>Store locked up.</li> <li>&lt; 40 °C</li> <li>Store always product in container of same material as original container.</li> </ul>

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### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

## 8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

VatOil ZHM Fluid		
EU - Indicative Occupational Exposure Limit (IOEL)		
Exposure limits/standards for materials that can be       5 mg/m³ - ACGIH TLV (inhalable fraction).         formed when handling this product. When       mists/aerosols can occur the following is         recommended       5 mg/m³ - ACGIH TLV (inhalable fraction).		
Distillates (petroleum), solvent-dewaxed light paraffinic (64742-56-9)		
EU - Indicative Occupational Exposure Limit (IOEL)		
IOEL TWA 5 mg/m <sup>3</sup>		

### 8.1.2. Recommended monitoring procedures

No additional information available

### 8.1.3. Air contaminants formed

No additional information available

### 8.1.4. DNEL and PNEC

No additional information available

#### 8.1.5. Control banding

No additional information available

#### 8.2. Exposure controls

#### 8.2.1. Appropriate engineering controls

#### Appropriate engineering controls:

Ensure good ventilation of the work station.

#### 8.2.2. Personal protection equipment

#### Personal protective equipment:

Wear recommended personal protective equipment. Personal protective equipment symbol(s):



#### 8.2.2.1. Eye and face protection

### Eye protection:

Safety glasses

Eye protection			
Туре	Field of application	Characteristics	Standard
Safety glasses	Droplet	clear	EN 166

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## 8.2.2.2. Skin protection

### Skin and body protection:

Wear suitable protective clothing

## Hand protection:

Protective gloves

Hand protection					
Туре	Material	Permeation	Thickness (mm)	Penetration	Standard
Reusable gloves	Nitrile rubber (NBR)	6 (> 480 minutes)	≥0.35		EN ISO 374

## 8.2.2.3. Respiratory protection

#### **Respiratory protection:**

In case of insufficient ventilation, wear suitable respiratory equipment

#### 8.2.2.4. Thermal hazards

No additional information available

#### 8.2.3. Environmental exposure controls

## Environmental exposure controls:

Avoid release to the environment.

9.1. Information on basic physical and ch	emical properties
Physical state	: Liquid
Colour	: light yellow.
Odour	: characteristic.
Odour threshold	: Not available
Melting point	: Not applicable
Freezing point	: -54 °C - ASTM D5950 (pour point)
Boiling point	: Not available
Flammability	: Not applicable
Lower explosion limit	: Not available
Upper explosion limit	: Not available
Flash point	: > 150 °C - ASTM D92 (COC)
Auto-ignition temperature	: Not available
Decomposition temperature	: Not available
рН	: Not available
Viscosity, kinematic	: 16 mm²/s (40 °C) - ASTM D7042
Solubility	: Water: Insoluble / Slightly miscible
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: Not available
Vapour pressure at 50°C	: Not available
Density	: 0,86 g/ml (15 °C) - ASTM D4052
Relative density	: Not available
Relative vapour density at 20°C	: Not available
Particle characteristics	: Not applicable

## No additional information available

#### 9.2.2. Other safety characteristics

No additional information available

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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

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information		
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11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008		
Acute toxicity (oral):Acute toxicity (dermal):Acute toxicity (inhalation):	Not classified Not classified Not classified	
Hydrocarbons, C14-C18, n-alkanes, isoalkane	es, cyclics, aromatics (2-30 %) (1174522-18-9)	
LD50 oral rat	5000 mg/kg (OECD 401 method)	
LD50 dermal rabbit	> 2000 mg/kg (OECD 402 method)	
LC50 Inhalation - Rat (Dust/Mist)	> 5,266 mg/l/4h	
N-methyl-N-[C18-(unsaturated)alkanoyl]glycine (110-25-8)		
LD50 oral rat	> 5000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity)	
LC50 Inhalation - Rat (Dust/Mist)	1,8 mg/l/4h	
Distillates (petroleum), solvent-dewaxed light paraffinic (64742-56-9)		
LD50 oral rat	> 5000 mg/kg	
LD50 dermal rabbit	> 5000 mg/kg	
LC50 Inhalation - Rat (Dust/Mist)	5,53 mg/l/4h	
Distillates (petroleum), hydrotreated light naphthenic (64742-53-6)		
LD50 oral rat	> 5000 mg/kg bodyweight	
LD50 dermal rabbit	> 2000 mg/kg bodyweight	
LC50 Inhalation - Rat (Dust/Mist)	> 5,53 mg/l/4h	
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	

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Reproductive toxicity :	Not classified	
STOT-single exposure :	Not classified	
STOT-repeated exposure :	Not classified	
Hydrocarbons, C14-C18, n-alkanes, isoalkane	s, cyclics, aromatics (2-30 %) (1174522-18-9)	
NOAEL (oral, rat, 90 days)	> 5000 mg/kg bodyweight/day	
Distillates (petroleum), solvent-dewaxed light	paraffinic (64742-56-9)	
LOAEL (oral, rat, 90 days)	125 mg/kg bodyweight/day	
NOAEL (subchronic, oral, animal/male, 90 days)	≥ 2000 mg/kg bodyweight	
NOAEL (subchronic, oral, animal/female, 90 days)	≥ 2000 mg/kg bodyweight	
Aspiration hazard :	May be fatal if swallowed and enters airways.	
VatOil ZHM Fluid		
Viscosity, kinematic	16 mm²/s (40 °C) - ASTM D7042	
Hydrocarbons, C14-C18, n-alkanes, isoalkane	es, cyclics, aromatics (2-30 %) (1174522-18-9)	
Viscosity, kinematic	5,25 mm²/s @20°C	
N-methyl-N-[C18-(unsaturated)alkanoyl]glycine (110-25-8)		
Viscosity, kinematic	1458,333 mm²/s	
Distillates (petroleum), solvent-dewaxed light paraffinic (64742-56-9)		
Viscosity, kinematic	< 20,5 mm²/s	
Aliphatic, alicyclic or aromatic hydrocarbon	Yes	
Distillates (petroleum), hydrotreated light naphthenic (64742-53-6)		
Viscosity, kinematic	9 mm²/s	
11.2. Information on other hazards		

## 11.2. Information on other hazards

No additional information available

## **SECTION 12: Ecological information**

## 12.1. Toxicity

Hazardous to the aquatic environment, short-term : (acute)	The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment. Not classified
Hydrocarbons, C14-C18, n-alkanes, isoalkane	s, cyclics, aromatics (2-30 %) (1174522-18-9)
LC50 - Fish [1]	> 1028 mg/l (96h) (OECD 203 method)
EC50 - Crustacea [1]	> 3000 mg/l (24h)
EC50 - Other aquatic organisms [1]	> 100 mg/l (Activated sludge, 3h) (OECD 209 method)
EC50 72h - Algae [1]	> 10000 mg/l [ISO 10253]
ErC50 algae	> 10000 mg/l (72h)
NOEC chronic fish	> 1000 mg/l (28d)
NOEC chronic crustacea	> 1000 mg/l (21d)

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N-methyl-N-[C18-(unsaturated)alkanoyl]glycine (110-25-8)		
LC50 - Fish [1]	0,43 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)	
EC50 - Crustacea [1]	0,43 mg/l Test organisms (species): Daphnia magna	
EC50 72h - Algae [1]	4,4 mg/l	
NOEC chronic crustacea	0,183 mg/l	
NOEC chronic algae	0,91 mg/l	
Distillates (petroleum), hydrotreated light nap	hthenic (64742-53-6)	
LC50 - Fish [1]	> 100 mg/l (96 h)	
EC50 - Crustacea [1]	> 10 g/l	
EC50 72h - Algae [1]	> 100 mg/l	
NOEC (acute)	≥ 100 (72h)	
12.2. Persistence and degradability		
VatOil ZHM Fluid		
Persistence and degradability	Rapidly degradable	
Hydrocarbons, C14-C18, n-alkanes, isoalkane	s, cyclics, aromatics (2-30 %) (1174522-18-9)	
Persistence and degradability	Not rapidly degradable	
Biodegradation	74 %	
N-methyl-N-[C18-(unsaturated)alkanoyl]glycir	ne (110-25-8)	
Persistence and degradability	Rapidly degradable	
Biodegradation	85,1 %	
Distillates (petroleum), solvent-dewaxed light	paraffinic (64742-56-9)	
Persistence and degradability	Potentially biodegradable.	
Distillates (petroleum), hydrotreated light naphthenic (64742-53-6)		
Persistence and degradability	Not readily biodegradable, Inherently biodegradable.	
Phosphorodithioic acid, mixed O,O-bis(2-ethylhexyl and iso-Bu and iso-Pr) esters, zinc salts (85940-28-9)		
Persistence and degradability	Not rapidly degradable	
12.3. Bioaccumulative potential		
Distillates (petroleum), solvent-dewaxed light	paraffinic (64742-56-9)	
Partition coefficient n-octanol/water (Log Pow)	> 3	
Distillates (petroleum), hydrotreated light naphthenic (64742-53-6)		
Bioaccumulative potential	Bioaccumulative potential.	
12.4. Mobility in soil		
Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, aromatics (2-30 %) (1174522-18-9)		
Surface tension	≈ 28 mN/m (25°C)	
Distillates (petroleum), solvent-dewaxed light	paraffinic (64742-56-9)	
Ecology - soil	Insoluble in water.	
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Distillates (petroleum), hydrotreated light naphthenic (64742-53-6)		
Ecology - soil Insoluble in water.		
12.5. Results of PBT and vPvB assessment		
Component		
Substance(s) not meeting the PBT criteria of REACH regulation, in accordance with Annex XIII	Distillates (petroleum), solvent-dewaxed light paraffinic (64742-56-9), Distillates (petroleum), hydrotreated light naphthenic (64742-53-6)	
Substance(s) not meeting the vPvB criteria of REACH regulation, in accordance with Annex XIII	Distillates (petroleum), solvent-dewaxed light paraffinic (64742-56-9), Distillates (petroleum), hydrotreated light naphthenic (64742-53-6)	
12.6. Endocrine disrupting properties	·	
No additional information available		

12.7. Other adverse effects

No additional information available

SECTION 13: Disposal considerations	;
13.1. Waste treatment methods	
Regional waste regulation Waste treatment methods Sewage disposal recommendations Product/Packaging disposal recommendations Additional information European List of Waste (LoW, EC 2000/532) HP Code	<ul> <li>Disposal must be done according to official regulations.</li> <li>Dispose of contents/container in accordance with licensed collector's sorting instructions.</li> <li>Disposal must be done according to official regulations.</li> <li>Disposal must be done according to official regulations.</li> <li>Disposal must be done according to official regulations.</li> <li>Do not re-use empty containers.</li> <li>13 01 10* - mineral based non-chlorinated hydraulic oils</li> <li>HP5 - "Specific Target Organ Toxicity (STOT)/Aspiration Toxicity:" waste which can cause specific target organ toxicity either from a single or repeated exposure, or which cause acute toxic effects following aspiration.</li> <li>HP4 - "Irritant – skin irritation and eye damage:" waste which on application can cause skin irritation or damage to the eye.</li> </ul>

## **SECTION 14: Transport information**

In accordance with ADR / IMDG / IATA / ADN / RID

ADR	IMDG	ΙΑΤΑ	ADN	RID
14.1. UN number or ID n	umber	' '		
Not regulated for transport				
14.2. UN proper shipping	g name			
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.3. Transport hazard c	lass(es)			
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.4. Packing group				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.5. Environmental haz	ards			
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated

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## 14.6. Special precautions for user

## Overland transport

Not regulated

Transport by sea Not regulated

# Air transport

Not regulated

Inland waterway transport Not regulated

## Rail transport

Not regulated

## 14.7. Maritime transport in bulk according to IMO instruments

Not applicable

## SECTION 15: Regulatory information

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

## 15.1.1. EU-Regulations

## **REACH Annex XVII (Restriction List)**

EU restriction list (REACH Annex XVII)		
Reference code	Applicable on	Entry title or description
3(b)	VatOil ZHM Fluid ; Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, aromatics (2-30 %) ; N-methyl-N-[C18- (unsaturated)alkanoyl]glyc ine ; Distillates (petroleum), solvent- dewaxed light paraffinic ; Distillates (petroleum), hydrotreated light naphthenic ; Phosphorodithioic acid, mixed O,O-bis(2- ethylhexyl and iso-Bu and iso-Pr) esters, zinc salts	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
3(c)	N-methyl-N-[C18- (unsaturated)alkanoyl]glyc ine ; Phosphorodithioic acid, mixed O,O-bis(2- ethylhexyl and iso-Bu and iso-Pr) esters, zinc salts	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 class 4.1

## **REACH Annex XIV (Authorisation List)**

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

## REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

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#### **PIC Regulation (Prior Informed Consent)**

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

#### **POP Regulation (Persistent Organic Pollutants)**

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

## Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

#### Dual-Use Regulation (428/2009)

Contains no substance subject to the COUNCIL REGULATION (EC) No 428/2009 of 5 May 2009 setting up a Community regime for the control of exports, transfer, brokering and transit of dual-use items.

## **Biocide Regulation (528/2012)**

Child-resistant fastening	:	Applicable
Tactile warning	:	Applicable

### **Explosives Precursors Regulation (2019/1148)**

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

#### **Drug Precursors Regulation (273/2004)**

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

#### 15.1.2. National regulations

No additional information available

#### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

For the following substances of this mixture a chemical safety assessment has been carried out:

Distillates (petroleum), solvent-dewaxed light paraffinic

Distillates (petroleum), hydrotreated light naphthenic

## **SECTION 16: Other information**

Indication of changes			
Section	Changed item	Change	Comments
	Revision date	Modified	
	Supersedes	Modified	
	Type of product	Added	
1.2	Function or use category	Removed	
1.2	Main use category	Modified	
3	Composition/information on ingredients	Modified	
4.2	Symptoms/effects after skin contact	Added	
4.2	Symptoms/effects after eye contact	Added	
4.2	Symptoms/effects after inhalation	Added	
5.2	Explosion hazard	Added	
5.3	Firefighting instructions	Added	
6.1	Emergency procedures	Added	
6.1	Protective equipment	Added	
6.1	General measures	Added	
6.3	For containment	Added	

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Indication of changes			
Section	Changed item	Change	Comments
7.1	Additional hazards when processed	Added	
7.2	Packaging materials	Added	
7.2	Technical measures	Added	
7.2	Storage conditions	Modified	
8.2	Personal protective equipment	Added	
9.1	Flash point	Modified	
9.1	Freezing point	Modified	
13.1	H code	Added	
13.1	Waste disposal recommendations	Added	
13.1	Sewage disposal recommendations	Added	
13.1	Additional information	Added	
13.1	Regional waste regulation	Added	

Abbreviations and acronyms:		
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	
BLV	Biological limit value	
BOD	Biochemical oxygen demand (BOD)	
COD	Chemical oxygen demand (COD)	
DMEL	Derived Minimal Effect level	
DNEL	Derived-No Effect Level	
EC-No.	European Community number	
EC50	Median effective concentration	
EN	European Standard	
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	
OEL	Occupational Exposure Limit	
РВТ	Persistent Bioaccumulative Toxic	

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Abbreviations and acronyms:	
PNEC	Predicted No-Effect Concentration
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
STP	Sewage treatment plant
ThOD	Theoretical oxygen demand (ThOD)
TLM	Median Tolerance Limit
VOC	Volatile Organic Compounds
CAS-No.	Chemical Abstract Service number
N.O.S.	Not Otherwise Specified
vPvB	Very Persistent and Very Bioaccumulative
ED	Endocrine disrupting properties

Full text of H- and EUH-statements:		
Acute Tox. 4 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 4	
Aquatic Acute 1	Hazardous to the aquatic environment – Acute Hazard, Category 1	
Aquatic Chronic 2	Hazardous to the aquatic environment – Chronic Hazard, Category 2	
Aquatic Chronic 3	Hazardous to the aquatic environment – Chronic Hazard, Category 3	
Asp. Tox. 1	Aspiration hazard, Category 1	
EUH066	Repeated exposure may cause skin dryness or cracking.	
Eye Dam. 1	Serious eye damage/eye irritation, Category 1	
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2	
H304	May be fatal if swallowed and enters airways.	
H315	Causes skin irritation.	
H318	Causes serious eye damage.	
H319	Causes serious eye irritation.	
H332	Harmful if inhaled.	
H400	Very toxic to aquatic life.	
H411	Toxic to aquatic life with long lasting effects.	
H412	Harmful to aquatic life with long lasting effects.	
Skin Irrit. 2	Skin corrosion/irritation, Category 2	

Safety Data Sheet (SDS), EU

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.