



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

1.1. Product identifier

Product form : Mixture
Product name : Fusion gun grease
Product code : 118665, 248279

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

1.2.1. Relevant identified uses

Use of the substance/mixture : Lubricants, greases, release products

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Graco BVBA
Industrieterrein Ounde Bunders
Slakweidestraat 31
Maasmechelen - Belgium
T +32 89 770 700 - F +32 89 770 777
reach@graco.com

1.4. Emergency telephone number

Emergency number : 1- 703-741-5970 (Chemtrec)
24/24

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Hazardous to the aquatic environment — Chronic Hazard, Category 2 H411

Full text of H statements : see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

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

Hazard pictograms (CLP) :



GHS09

Signal word (CLP) : -

Hazard statements (CLP) : H411 - Toxic to aquatic life with long lasting effects.

Precautionary statements (CLP) : P273 - Avoid release to the environment.

P391 - Collect spillage.

P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

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according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EC) No. 2015/830

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Distillates (petroleum), hydrotreated heavy naphthenic; Baseoil— unspecified; [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil of at least 100 SUS at 100°F (19cSt at 40 °C). It contains relatively few normal paraffins.]	(CAS-No.) 64742-52-5 (EC-No.) 265-155-0 (EC Index-No.) 649-465-00-7 (REACH-no) Not available	60 - 100	Carc. Not classified (Note L)
Zinc oxide	(CAS-No.) 1314-13-2 (EC-No.) 215-222-5 (EC Index-No.) 030-013-00-7 (REACH-no) Not available	1 - 5	Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410 (M=1)
Tris(dipentylidithiocarbamate-S,S')antimony	(CAS-No.) 15890-25-2 (EC-No.) 240-028-2 (EC Index-No.) 051-003-00-9 (REACH-no) Not available	1 - 5	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Inhalation), H332 Aquatic Chronic 2, H411

Comments : Note L : The classification as a carcinogen need not apply if it can be shown that the substance contains less than 3 % DMSO 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. This note applies only to certain complex oil-derived substances in Part 3.

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation : Remove victim to fresh air and keep at rest in a position comfortable for breathing. At room temperature, exposure by inhalation is not expected to cause any adverse effects on health.

First-aid measures after skin contact : After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water and soap. If material is injected under the skin, seek medical attention immediately.

First-aid measures after eye contact : Rinse immediately with plenty of water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention if irritation persists.

First-aid measures after ingestion : Do not induce vomiting unless directed to do so by medical personnel. Immediately call a POISON CENTER or doctor/ physician.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects after skin contact : Frequent or prolonged contact with skin may cause dermal irritation.

Symptoms/effects after eye contact : May cause eye irritation.

Symptoms/effects after ingestion : May cause lung damage if swallowed.

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

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Water spray, carbon dioxide (CO₂), dry chemical powder, foam.

5.2. Special hazards arising from the substance or mixture

Fire hazard : Not expected to be a fire/explosion hazard under normal conditions of use.

Explosion hazard : not explosive.

Reactivity in case of fire : (strong) oxidizers.

Hazardous decomposition products in case of fire : Toxic gases and fumes may be released in a fire.

5.3. Advice for firefighters

Precautionary measures fire : Use water spray or fog for cooling exposed containers.

Firefighting instructions : Fight fire with normal precautions from a reasonable distance.

Protective equipment for firefighters : In confined space use self-contained breathing apparatus.

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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Protective equipment : Wear suitable protective clothing. Use suitable eye protection and gloves.
Emergency procedures : Eliminate all ignition sources if safe to do so. Evacuate personnel to a safe area.

6.1.2. For emergency responders

Protective equipment : Wear suitable protective clothing. In case of fire: Wear self-contained breathing apparatus.
Emergency procedures : Evacuate area. Ventilate affected area.

6.2. Environmental precautions

Avoid release to the environment. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

For containment : Scrape up material.
Methods for cleaning up : wash floor surface with safety solvent or detergent to remove remaining oil film.
Other information : Relevant water authorities should be notified of any large spillage to water course or drain.

6.4. Reference to other sections

For disposal of residues refer to section 13 : Disposal considerations.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Do not pressurize, cut, weld, braze, solder, drill, grind, or expose containers to flames, sparks, heat, or other potential ignition sources. Keep container closed when not in use. Avoid contact with the skin and the eyes. Ensure adequate ventilation. Do not store near oxidizing agents.
Hygiene measures : Do not eat, drink or smoke when using this product. Wash contaminated clothing before reuse. Take care for general good hygiene and housekeeping.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store tightly closed in a dry, cool and well-ventilated place.
Incompatible products : Oxidizing agent.
Heat and ignition sources : Keep away from open flames, hot surfaces and sources of ignition.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Zinc oxide (1314-13-2)		
Austria	Local name	Zinkoxid-Rauch
Austria	MAK (mg/m ³)	5 mg/m ³
Austria	Regulatory reference	BGBl. II Nr. 186/2015
Belgium	Local name	Zinc (oxyde de) (fraction alvéolaire) # Zinkoxide (inadembare fractie)
Belgium	Limit value (mg/m ³)	2 mg/m ³
Belgium	Short time value (mg/m ³)	10 mg/m ³
Belgium	Regulatory reference	Koninklijk besluit/Arrêté royal 02/09/2018
Bulgaria	Local name	Цинков оксид
Bulgaria	OEL TWA (mg/m ³)	5 mg/m ³ (като цинк)
Bulgaria	OEL STEL (mg/m ³)	10 mg/m ³ (като цинк)
Bulgaria	Regulatory reference	Наредба № 13 от 30.12.2003 г. за защита на работещите от рискове, свързани с експозиция на химични агенти при работа (изм. и доп. ДВ. бр.73 от 4 септември 2018 г.)
Croatia	Local name	Cinkov oksid
Croatia	GVI (granična vrijednost izloženosti) (mg/m ³)	2 mg/m ³ R (respirabilna prašina)
Croatia	KGVI (kratkotrajna granična vrijednost izloženosti) (mg/m ³)	10 mg/m ³
Croatia	Regulatory reference	Pravilnik o izmjenama i dopunama Pravilnika o graničnim vrijednostima izloženosti opasnim tvarima pri radu i o biološkim graničnim vrijednostima (NN 91/2018)

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Zinc oxide (1314-13-2)		
Czech Republic	Local name	Oxid zinečnatý, jako Zn
Czech Republic	Expoziční limity (PEL) (mg/m ³)	2 mg/m ³
Czech Republic	Expoziční limity (NPK-P) (mg/m ³)	5 mg/m ³
Czech Republic	Regulatory reference	Nařízení vlády č. 361/2007 Sb. (zpracovány změny č. 246/2018 Sb.)
Denmark	Local name	Zinkoxid og zinkoxidrøg
Denmark	Grænseværdie (langvarig) (mg/m ³)	4 mg/m ³ beregnet som Zn
Denmark	Regulatory reference	BEK nr 655 af 31/05/2018
Estonia	Local name	Tsinkoksiid
Estonia	OEL TWA (mg/m ³)	5 mg/m ³
Estonia	Regulatory reference	Vabariigi Valitsuse 18. septembri 2001. a määruse nr 293 (RT I, 30.11.2011, 5)
Finland	Local name	Sinkkioksidi, huurut
Finland	HTP-arvo (8h) (mg/m ³)	2 mg/m ³
Finland	HTP-arvo (15 min)	10 mg/m ³
Finland	Regulatory reference	HTP-ARVOT 2018 (Sosiaali- ja terveysministeriö)
France	Local name	Zinc (oxyde de)
France	VME (mg/m ³)	5 mg/m ³ (fumées) 10 mg/m ³ (poussières)
France	Note (FR)	Valeurs recommandées/admises
France	Regulatory reference	Circulaire du Ministère du travail (réf.: INRS ED 984, 2016)
Germany	TRGS 900 Occupational exposure limit value (mg/m ³)	0,1 mg/m ³ ZINC AND ITS INORGANIC COMPOUNDS (RESPIRABLE FRACTION)
Greece	Local name	Ψευδαργύρου Οξειδιο (καπνοί)
Greece	OEL TWA (mg/m ³)	5 mg/m ³
Greece	OEL STEL (mg/m ³)	10 mg/m ³
Greece	Regulatory reference	Π.Δ. 90/1999
Hungary	Local name	CINK-OXID
Hungary	AK-érték	5 mg/m ³ respirábilis frakció
Hungary	CK-érték	20 mg/m ³ respirábilis frakció
Hungary	Megjegyzések (HU)	i (ingerlő anyag, amely izgatja a bőrt, nyálkahártyát, szemet vagy mindhármát); III. (FELSZÍVÓDVA HATÓ ANYAGOK (Hatás fellépésének ideje > 2 óra; Felezési idő > műszak idő (ERŐSEN KUMULÁLÓDÓ)))
Hungary	Regulatory reference	25/2000. (IX. 30.) EüM–SZCSM együttes rendelet a munkahelyek kémiai biztonságáról
Ireland	Local name	Zinc oxide, fume
Ireland	OEL (8 hours ref) (mg/m ³)	2 mg/m ³ R (Respirable Fraction)
Ireland	OEL (15 min ref) (mg/m ³)	10 mg/m ³
Ireland	Regulatory reference	Code of Practice for the Chemical Agents Regulations 2018
Latvia	Local name	Cinka oksīds
Latvia	OEL TWA (mg/m ³)	0,5 mg/m ³
Latvia	Regulatory reference	Ministru kabineta 2007.gada 15.maija noteikumiem Nr.325 (Grozījumi Ministru kabineta 2011.gada 1.februārī noteikumiem Nr.92)
Lithuania	Local name	Cinko oksidas
Lithuania	IPRV (mg/m ³)	5 mg/m ³

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Zinc oxide (1314-13-2)		
Lithuania	Regulatory reference	LIETUVOS HIGIENOS NORMA HN 23:2011 (Nr. V-695/A1-272, 2018-06-12)
Poland	Local name	Tlenek cynku
Poland	NDS (mg/m ³)	5 mg/m ³ w przeliczeniu na Zn: frakcja wdychalna
Poland	NDSCh (mg/m ³)	10 mg/m ³ w przeliczeniu na Zn: frakcja wdychalna
Poland	Remark (PL)	Frakcja wdychalna – frakcja aerozolu wnikająca przez nos i usta, która po zdeponowaniu w drogach oddechowych stwarza zagrożenie dla zdrowia.
Poland	Regulatory reference	Dz. U. 2018 poz. 1286
Portugal	Local name	Óxido de zinco
Portugal	OEL TWA (mg/m ³)	2 mg/m ³ R (Fração respirável)
Portugal	OEL STEL (mg/m ³)	10 mg/m ³ R (Fração respirável)
Portugal	Regulatory reference	Norma Portuguesa NP 1796:2014
Romania	Local name	Oxid de zinc
Romania	OEL TWA (mg/m ³)	5 mg/m ³ (Fumuri)
Romania	OEL STEL (mg/m ³)	10 mg/m ³ (Fumuri)
Romania	Regulatory reference	Hotărârea nr. 584/2018
Slovakia	Local name	Oxid zinočnatý, dymy
Slovakia	NPHV (priemerná) (mg/m ³)	1 mg/m ³ dymy respirabilná frakcia
Slovakia	OEL STEL (mg/m ³)	1 mg/m ³ respirabilná frakcia
Slovakia	Upozornenie (SK)	krátkodobý kategória I. , respirabilná frakcia
Slovakia	Regulatory reference	Nariadenie vlády č. 33/2018 Z.z.
Spain	Local name	Óxido de cinc
Spain	VLA-ED (mg/m ³)	2 mg/m ³ Fracción respirable
Spain	VLA-EC (mg/m ³)	10 mg/m ³ Fracción respirable
Spain	Notes	d (Véase UNE EN 481: Atmósferas en los puestos de trabajo. Definición de las fracciones por el tamaño de las partículas para la medición de aerosoles).
Spain	Regulatory reference	Límites de Exposición Profesional para Agentes Químicos en España 2019. INSHT
Sweden	Local name	Zinkoxid
Sweden	nivågränsvärde (NVG) (mg/m ³)	5 mg/m ³ totaldamm
Sweden	nivågränsvärde (NVG) (ppm)	5 ppm
Sweden	Anmärkning (SE)	3 (Med totaldamm menas de partiklar (aerosoler) som fastnar på ett filter i den provtagare som beskrivs i Metodserien, Provtagning av totaldamm och respirabelt damm, Metod nr 1010, Arbetsmiljöverket, numera Arbetsmiljöverket. Filterdiametern är normalt 37 mm, men kan även vara 25 mm. Trots sitt namn provtas inte den totala mängden luftburna partiklar med denna metod)
Sweden	Regulatory reference	Hygieniska gränsvärden (AFS 2018:1)
United Kingdom	WEL TWA (mg/m ³)	5 mg/m ³
United Kingdom	WEL STEL (mg/m ³)	10 mg/m ³
United Kingdom	Remark (WEL)	(fume)
Iceland	Local name	Sínkoxíð og sínkoxíðreykur, sem Zn
Iceland	OEL (8 hours ref) (mg/m ³)	4 mg/m ³
Iceland	Regulatory reference	Reglugerð um mengunarmörk og aðgerðir til að draga úr mengun á vinnustöðum (Nr. 390/2009)
Norway	Local name	Sinkoksid

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Zinc oxide (1314-13-2)		
Norway	Grenseverdier (AN) (mg/m ³)	5 mg/m ³
Norway	Regulatory reference	FOR-2018-08-21-1255
Switzerland	Local name	Oxyde de zinc (fumée) / Zinkoxid (Rauch)
Switzerland	MAK (mg/m ³)	3 mg/m ³ (a) / (a)
Switzerland	KZGW (mg/m ³)	3 mg/m ³ (a) / (a)
Switzerland	Critical toxicity	Fimétal / Metallrauch
Switzerland	Remark	NIOSH, OSHA
Switzerland	Regulatory reference	www.suva.ch, 01.07.2019
USA - ACGIH	Local name	Zinc oxide
USA - ACGIH	ACGIH TWA (mg/m ³)	2 mg/m ³ (R - Respirable particulate matter)
USA - ACGIH	ACGIH STEL (mg/m ³)	10 mg/m ³ (R - Respirable particulate matter)
USA - ACGIH	ACGIH Ceiling (mg/m ³)	10 mg/m ³ respirable fraction
USA - ACGIH	Remark (ACGIH)	TLV® Basis: Metal fume fever

Distillates (petroleum), hydrotreated heavy naphthenic; Baseoil— unspecified; [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil of at least 100 SUS at 100°F (19cSt at 40 °C). It contains relatively few normal paraffins.] (64742-52-5)

Belgium	Limit value (mg/m ³)	5 mg/m ³ MINERAL OILS (MIST)
Belgium	Short time value (mg/m ³)	10 mg/m ³
Bulgaria	OEL TWA (mg/m ³)	5 mg/m ³
Czech Republic	Expoziční limity (PEL) (mg/m ³)	5 mg/m ³
Czech Republic	Expoziční limity (NPK-P) (mg/m ³)	10 mg/m ³
Denmark	Grænseværdie (langvarig) (mg/m ³)	1 mg/m ³ OLIETÅGE, MINERALOLIEPARTIKLER
Finland	HTP-arvo (8h) (mg/m ³)	5 mg/m ³ Oil mist, mineral
Germany	TRGS 900 Occupational exposure limit value (mg/m ³)	5 mg/m ³ MINERAL OILS, HIGHLY REFINED
Greece	OEL TWA (mg/m ³)	5 mg/m ³
Ireland	OEL (8 hours ref) (mg/m ³)	5 mg/m ³ MINERAL OIL, PURE, HIGHLY & SEVERELY REFINED, INHALABLE FRACTION
Lithuania	IPRV (mg/m ³)	1 mg/m ³ Oil mist, including smoke
Lithuania	TPRV (mg/m ³)	3 mg/m ³
Netherlands	Grenswaarde TGG 8H (mg/m ³)	5 mg/m ³ DESTILLATEN (AARDOLIE), MET WATERSTOF BEHANDELDE ZWARE NAFTEENHOUDENDE; BASISOLIE - NIET GESPECIFIEERD
Poland	NDS (mg/m ³)	5 mg/m ³
Romania	OEL TWA (mg/m ³)	5 mg/m ³
Romania	OEL STEL (mg/m ³)	10 mg/m ³
Spain	VLA-ED (mg/m ³)	5 mg/m ³ Refined mineral oil, mist
Spain	VLA-EC (mg/m ³)	10 mg/m ³
Sweden	nivågränsvärde (NVG) (mg/m ³)	1 mg/m ³ MINERAL OIL, OLD USED
Sweden	kortidsvärde (KTV) (mg/m ³)	3 mg/m ³
USA - ACGIH	Local name	Mineral oil, excluding metal working fluids (2009) Pure, highly and severely refined
USA - ACGIH	ACGIH TWA (mg/m ³)	5 mg/m ³ (mineral oil mist, inhalable fraction)

Tris(dipentylidithiocarbamate-S,S')antimony (15890-25-2)

Austria	MAK (mg/m ³)	0,5 mg/m ³
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Tris(dipentyldithiocarbamato-S,S')antimony (15890-25-2)

Austria	MAK Short time value (mg/m ³)	1,5 mg/m ³
Belgium	Limit value (mg/m ³)	0,5 mg/m ³
Bulgaria	OEL TWA (mg/m ³)	0,5 mg/m ³ Antimony and its inorganic compounds
Croatia	GVI (granična vrijednost izloženosti) (mg/m ³)	0,5 mg/m ³
Cyprus	OEL TWA (mg/m ³)	0,5 mg/m ³
Czech Republic	Expoziční limity (PEL) (mg/m ³)	0,5 mg/m ³
Finland	HTP-arvo (8h) (mg/m ³)	0,5 mg/m ³
France	VME (mg/m ³)	0,5 mg/m ³
Greece	OEL TWA (mg/m ³)	0,5 mg/m ³
Hungary	AK-érték	0,5 mg/m ³
Ireland	OEL (8 hours ref) (mg/m ³)	0,5 mg/m ³
Poland	NDS (mg/m ³)	0,5 mg/m ³
Slovakia	NPHV (priemerná) (mg/m ³)	0,5 mg/m ³
Spain	VLA-ED (mg/m ³)	0,5 mg/m ³
Sweden	nivågränsvärde (NVG) (mg/m ³)	0,25 mg/m ³
United Kingdom	WEL TWA (mg/m ³)	0,5 mg/m ³
USA - ACGIH	ACGIH TWA (mg/m ³)	0,5 mg/m ³

8.2. Exposure controls

Appropriate engineering controls:

A washing facility/water for eye and skin cleaning purposes should be present.

Personal protective equipment:

Protective goggles. Gloves. Protective clothing.

Materials for protective clothing:

Plastic apron or overall

Hand protection:

Wear suitable gloves tested to EN 374. Neoprene. NBR (Nitrile rubber). Breakthrough time : 240 min. Thickness of the glove material 0.15 mm

Eye protection:

Safety glasses with side shields. EN 166

Respiratory protection:

No special respiratory protection equipment is recommended under normal conditions of use with adequate ventilation

Personal protective equipment symbol(s):



SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Semi-solid.
Colour	: white.
Odour	: Mineral-oil like.
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: < 0,01
Melting point	: No data available
Freezing point	: No data available
Boiling point	: > 288 °C

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Flash point	: 204 °C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: < 0,01 mm Hg
Relative vapour density at 20 °C	: > 5
Relative density	: 0,94 - 0,95 g/cm ³
Solubility	: Water: negligible
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: not explosive.
Oxidising properties	: Not oxidizing.
Lower explosive limit (LEL)	: 0,9 vol %
Upper explosive limit (UEL)	: 7 vol %

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

10.4. Conditions to avoid

None under normal conditions.

10.5. Incompatible materials

Oxidizing agents, strong.

10.6. Hazardous decomposition products

Sulfur oxides. On incomplete combustion releases : Carbon monoxide.

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

Zinc oxide (1314-13-2)

LD50 oral rat	> 5000 mg/kg
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Distillates (petroleum), hydrotreated heavy naphthenic; Baseoil— unspecified; [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil of at least 100 SUS at 100°F (19cSt at 40 °C). It contains relatively few normal paraffins.] (64742-52-5)

LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 2000 mg/kg

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

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SECTION 12: Ecological information

12.1. Toxicity

Acute aquatic toxicity : Not classified
Chronic aquatic toxicity : Toxic to aquatic life with long lasting effects.

12.2. Persistence and degradability

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Persistence and degradability : Not readily biodegradable.

12.3. Bioaccumulative potential

No additional information available

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

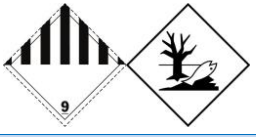


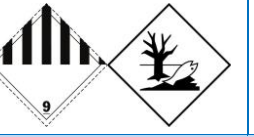

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste) : Disposal must be done according to official regulations.
Waste treatment methods : Dispose of at authorized waste collection point.

SECTION 14: Transport information

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

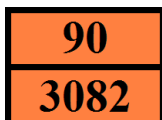
ADR	IMDG	IATA	ADN	RID
14.1. UN number				
UN 3082	UN 3082	UN 3082	UN 3082	UN 3082
14.2. UN proper shipping name				
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.	Environmentally hazardous substance, liquid, n.o.s.	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Transport document description				
UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., 9, III, (-)	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., 9, III, MARINE POLLUTANT	UN 3082 Environmentally hazardous substance, liquid, n.o.s., 9, III	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., 9, III	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., 9, III
14.3. Transport hazard class(es)				
9	9	9	9	9
				
14.4. Packing group				
III	III	III	III	III
14.5. Environmental hazards				
Dangerous for the environment : Yes	Dangerous for the environment : Yes Marine pollutant : Yes	Dangerous for the environment : Yes	Dangerous for the environment : Yes	Dangerous for the environment : Yes
No supplementary information available				
14.6. Special precautions for user				
Overland transport				
Classification code (ADR)	: M6			
Special provisions (ADR)	: 274, 335, 375, 601			

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Limited quantities (ADR)	: 5I
Excepted quantities (ADR)	: E1
Packing instructions (ADR)	: P001, IBC03, LP01, R001
Special packing provisions (ADR)	: PP1
Mixed packing provisions (ADR)	: MP19
Portable tank and bulk container instructions (ADR)	: T4
Portable tank and bulk container special provisions (ADR)	: TP1, TP29
Tank code (ADR)	: LGBV
Vehicle for tank carriage	: AT
Transport category (ADR)	: 3
Special provisions for carriage - Packages (ADR)	: V12
Special provisions for carriage - Loading, unloading and handling (ADR)	: CV13
Hazard identification number (Kemler No.)	: 90
Orange plates	:



Tunnel restriction code (ADR)	: -
EAC code	: •3Z

Transport by sea

Special provisions (IMDG)	: 274, 335, 969
Limited quantities (IMDG)	: 5 L
Excepted quantities (IMDG)	: E1
Packing instructions (IMDG)	: LP01, P001
Special packing provisions (IMDG)	: PP1
IBC packing instructions (IMDG)	: IBC03
Tank instructions (IMDG)	: T4
Tank special provisions (IMDG)	: TP2, TP29
EmS-No. (Fire)	: F-A
EmS-No. (Spillage)	: S-F
Stowage category (IMDG)	: A
MFAG-No	: 171

Air transport

PCA Excepted quantities (IATA)	: E1
PCA Limited quantities (IATA)	: Y964
PCA limited quantity max net quantity (IATA)	: 30kgG
PCA packing instructions (IATA)	: 964
PCA max net quantity (IATA)	: 450L
CAO packing instructions (IATA)	: 964
CAO max net quantity (IATA)	: 450L
Special provisions (IATA)	: A97, A158, A197
ERG code (IATA)	: 9L

Inland waterway transport

Classification code (ADN)	: M6
Special provisions (ADN)	: 274, 335, 375, 601
Limited quantities (ADN)	: 5 L
Excepted quantities (ADN)	: E1
Carriage permitted (ADN)	: T
Equipment required (ADN)	: PP
Number of blue cones/lights (ADN)	: 0

Rail transport

Classification code (RID)	: M6
Special provisions (RID)	: 274, 335, 375, 601
Limited quantities (RID)	: 5L
Excepted quantities (RID)	: E1

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Packing instructions (RID)	: P001, IBC03, LP01, R001
Special packing provisions (RID)	: PP1
Mixed packing provisions (RID)	: MP19
Portable tank and bulk container instructions (RID)	: T4
Portable tank and bulk container special provisions (RID)	: TP1, TP29
Tank codes for RID tanks (RID)	: LGBV
Transport category (RID)	: 3
Special provisions for carriage – Packages (RID)	: W12
Special provisions for carriage - Loading, unloading and handling (RID)	: CW13, CW31
Colis express (express parcels) (RID)	: CE8
Hazard identification number (RID)	: 90

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

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance subject to REGULATION (EU) No 649/2012 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 4 July 2012 concerning the export and import of hazardous chemicals.

Substance(s) are not subject to Regulation (EC) No 850/2004 of the European Parliament and of the Council of 29 April 2004 on persistent organic pollutants and amending Directive 79/117/EEC.

15.1.2. National regulations

Germany

Reference to AwSV : Water hazard class (WGK) 1, Slightly hazardous to water (Classification according to AwSV, Annex 1)

12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV : Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

Netherlands

SZW-lijst van kankerverwekkende stoffen : Distillates (petroleum), hydrotreated heavy naphthenic; Baseoil— unspecified; [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil of at least 100 SUS at 100°F (19cSt at 40 °C). It contains relatively few normal paraffins.] is listed

SZW-lijst van mutagene stoffen : Distillates (petroleum), hydrotreated heavy naphthenic; Baseoil— unspecified; [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil of at least 100 SUS at 100°F (19cSt at 40 °C). It contains relatively few normal paraffins.] is listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding : None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid : None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling : None of the components are listed

Denmark

Danish National Regulations : Young people below the age of 18 years are not allowed to use the product
Pregnant/breastfeeding women working with the product must not be in direct contact with the product

15.2. Chemical safety assessment

A chemical safety assessment has been carried out for the substance or the mixture by the supplier

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SECTION 16: Other information

Other information : 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. It is the user's responsibility to take mentioned precaution measures and ensure that this information is complete and sufficient for the use of this product. This SDS was prepared by Intertek. However, the information is provided without any warranty, expressed or implied regarding its correctness. Some information presented and conclusions drawn herein are from sources other than direct test data on the substance itself. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable. Users should make their own investigations to determine the suitability of the information or products for their particular purpose. The conditions or methods of handling, storage, use, and disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, Intertek does not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with handling, storage, use or disposal of the product.

Full text of H- and EUH-statements:	
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Carc. Not classified	Carcinogenicity Not classified
H302	Harmful if swallowed.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:		
Aquatic Chronic 2	H411	Calculation method

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.