

# SAFETY DATA SHEET

10090386b

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

### 1.1. Product identifier

**Trade name or designation of the mixture** Ringfeder Coupling Oil

**Registration number** -

**Synonyms** None.

**Product code** BDS001136AE

**Issue date** 24-May-2022

**Version number** 1.0

**Revision date** 24-May-2022

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

**Identified uses** Lubricants

**Uses advised against** None known.

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

**Company:** VBG GROUP TRUCK EQUIPMENT AB  
Box 1216  
SE-462 28 VÄNERSBORG  
Tel: +46 (0) 521-27 77 00 (Office time)  
[www.ringfeder.de](http://www.ringfeder.de)  
[chemical.vbgte@vbggroup.com](mailto:chemical.vbgte@vbggroup.com)

**In case of emergency:** + 44 1925 23 41 11 (Office time)

Sales company		Tel
VBG GROUP SALES A/S, DENMARK	Industribuen 20-22, 5592 Ejby	+45 64 46 19 19
VBG GROUP SALES AS, NORWAY	Karihaugveien 102, 1086 Oslo	+46 23 14 16 60
VBG GROUP SALES LIMITED, GREAT BRITAIN	Unit 9, Willow Court West Quay Road, Winwick Quay Warrington, Cheshire WA2 8UF	+44 1925 23 41 11
VBG GROUP TRUCK EQUIPMENT GMBH, GERMANY	Girmesgath 5, 47803 Krefeld	+49 (0)2151-835-0
ONSPOT S.A.R.L, FRANCE	14 Route de Sarrebruck 57645 Montoy-Flanville	+33 387 763 080
BG GROUP TRUCK EQUIPMENT NV, BELGIUM	Industrie Zuid Zone 2.2 Lochtemanweg 50, 3580 Beringen	+32 11 458 379
VBG GROUP TRUCK EQUIPMENT NV, NETHERLANDS	Alaertslaan 12, 5801 DC Venray	+31 478 514 143

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

The mixture has been assessed and/or tested for its physical, health and environmental hazards and the following classification applies.

**Classification according to Regulation (EC) No 1272/2008 as amended**

#### Physical hazards

Aerosols

Category 1

H222 - Extremely flammable aerosol.

H229 - Pressurized container: May burst if heated.

## 2.2. Label elements

Label according to Regulation (EC) No. 1272/2008 as amended

### Hazard pictograms



### Signal word

Danger

### Hazard statements

H222

Extremely flammable aerosol.

H229

Pressurized container: May burst if heated.

### Precautionary statements

#### Prevention

P102

Keep out of reach of children.

P210

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P211

Do not spray on an open flame or other ignition source.

P251

Do not pierce or burn, even after use.

P280

Wear protective gloves/protective clothing/eye protection/face protection.

#### Response

Not assigned.

#### Storage

P410 + P412

Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

#### Disposal

P501

Dispose of contents/container in accordance with local/regional/national/international regulations.

### Supplemental label information

EUH208 - Contains Benzenesulfonic acid, C10-16-alkyl derivatives, calcium salts, Polysulphides, di-tert-dodecyl, Calcium petroleum sulfonate, Reaction products of benzenesulfonic acid, mono-C20-24 (even)-sec-alkyl derivs. para-, calcium salts. May produce an allergic reaction.

### 2.3. Other hazards

This mixture does not contain substances assessed to be vPvB / PBT according to Regulation (EC) No 1907/2006, Annex XIII. The product does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

## SECTION 3: Composition/information on ingredients

### Mixture

#### General information

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	Index No.	Notes
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, < 2% aromatics	10 - 25	- 926-141-6	01-2119456620-43	-	
<b>Classification:</b> Asp. Tox. 1;H304					
Distillates, petroleum, hydrotreated light paraffinic	5 - 15	64742-55-8 265-158-7	01-2119487077-29	649-468-00-3	
<b>Classification:</b> Asp. Tox. 1;H304					
Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil — unspecified [ 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 pr	1 - 5	64742-54-7 265-157-1	01-2119484627-25	649-467-00-8	
<b>Classification:</b> Asp. Tox. 1;H304					
Benzenesulfonic acid, C10-16-alkyl derivatives, calcium salts	<1	68584-23-6 271-529-4	01-2119492627-25	-	
<b>Classification:</b> Skin Sens. 1B;H317					
Calcium petroleum sulfonate	<1	61789-86-4 263-093-9	01-2119488992-18	-	
<b>Classification:</b> Skin Sens. 1;H317					
Polysulphides, di-tert-dodecyl	<1	68425-15-0 270-335-7	01-2119540516-41	-	
<b>Classification:</b> Skin Sens. 1B;H317					

Reaction products of benzenesulfonic acid, mono-C20-24 (even)-sec-alkyl derivs. para-, calcium salts	<1	- 947-519-7	01-2119521205-53	-
<b>Classification:</b> Skin Sens. 1B;H317				
2,2'-(octadec-9-enylimino)bisethanol	<0.1	25307-17-9 246-807-3	01-2119510876-35	-
<b>Classification:</b> Acute Tox. 4;H302, Skin Corr. 1;H314, Eye Dam. 1;H318, Aquatic Acute 1;H400(M=10), Aquatic Chronic 1;H410				

#### List of abbreviations and symbols that may be used above

#: This substance has been assigned Union workplace exposure limit(s).  
 ATE: Acute toxicity estimate.  
 M: M-factor  
 PBT: persistent, bioaccumulative and toxic substance.  
 vPvB: very persistent and very bioaccumulative substance.  
 All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.  
 Note L - The harmonized classification as a carcinogen does not apply because the substance contains less than 3 % DMSO extractable material as measured by IP 346.

**Composition comments** The full text for all H-statements is displayed in section 16.

## SECTION 4: First aid measures

**General information** Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

### 4.1. Description of first aid measures

**Inhalation** Not available.  
**Skin contact** Wash off with soap and water. Get medical attention if irritation develops and persists.  
**Eye contact** Rinse with water. Get medical attention if irritation develops and persists.  
**Ingestion** In the unlikely event of swallowing contact a physician or poison control centre.

**4.2. Most important symptoms and effects, both acute and delayed** Exposure may cause temporary irritation, redness, or discomfort.

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

## SECTION 5: Firefighting measures

**General fire hazards** Extremely flammable aerosol.

### 5.1. Extinguishing media

**Suitable extinguishing media** Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).  
**Unsuitable extinguishing media** Do not use water jet as an extinguisher, as this will spread the fire.

**5.2. Special hazards arising from the substance or mixture** Contents under pressure. Pressurised container may explode when exposed to heat or flame. During fire, gases hazardous to health may be formed.

### 5.3. Advice for firefighters

**Special protective equipment for firefighters** Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.  
**Special fire fighting procedures** Move containers from fire area if you can do so without risk. Containers should be cooled with water to prevent vapour pressure build up. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out.

**Specific methods** Use standard firefighting procedures and consider the hazards of other involved materials. Use water spray to cool unopened containers. In the event of fire and/or explosion do not breathe fumes.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

**For non-emergency personnel** Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.

**For emergency responders** Keep unnecessary personnel away. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained.

**6.2. Environmental precautions** Avoid discharge into drains, water courses or onto the ground.

**6.3. Methods and material for containment and cleaning up** Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil etc) away from spilled material.

Large Spills: Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Scoop up used absorbent into drums or other appropriate container. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

**6.4. Reference to other sections** Not available.

## SECTION 7: Handling and storage

**7.1. Precautions for safe handling** Pressurised container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not spray on a naked flame or any other incandescent material. Do not smoke while using or until sprayed surface is thoroughly dry. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. All equipment used when handling the product must be grounded. Use only in well-ventilated areas. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

**7.2. Conditions for safe storage, including any incompatibilities** Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C. This material can accumulate static charge which may cause spark and become an ignition source. Prevent electrostatic charge build-up by using common bonding and grounding techniques. Storage class (TRGS 510): 2B (Aerosol dispensers and lighters)

**7.3. Specific end use(s)** Not available.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

**Occupational exposure limits** No exposure limits noted for ingredient(s).

**Biological limit values** No biological exposure limits noted for the ingredient(s).

**Recommended monitoring procedures** Not available.

### Derived no effect levels (DNELs)

#### General Population

Components	Value	Assessment factor	Notes
2,2'-(octadec-9-enylimino)bisethanol (CAS 25307-17-9)			
Long-term, Systemic, Dermal	0.214 mg/kg	140	developmental toxicity / teratogenicity
Long-term, Systemic, Inhalation	0.745 mg/m3	35	developmental toxicity / teratogenicity
Benzenesulfonic acid, C10-16-alkyl derivatives, calcium salts (CAS 68584-23-6)			
Long-term, Local, Dermal	0.513 mg/cm2	10	Skin Sensitisation
Long-term, Systemic, Inhalation	2.9 mg/m3	150	Repeated dose toxicity
Calcium petroleum sulfonate (CAS 61789-86-4)			
Long-term, Local, Dermal	0.513 mg/cm2	10	Skin Sensitisation
Long-term, Systemic, Inhalation	2.9 mg/m3	150	Repeated dose toxicity
Distillates, petroleum, hydrotreated light paraffinic (CAS 64742-55-8)			
Long-term, Local, Inhalation	1.19 mg/m3	75	Repeated dose toxicity
Long-term, Systemic, Oral	0.74 mg/kg	120	Repeated dose toxicity



## Workers

Components	Value	Assessment factor	Notes
2,2'-(octadec-9-enylimino)bisethanol (CAS 25307-17-9)			
Long-term, Systemic, Dermal	0.3 mg/kg	100	developmental toxicity / teratogenicity
Long-term, Systemic, Inhalation	2.112 mg/m <sup>3</sup>	25	developmental toxicity / teratogenicity
Benzenesulfonic acid, C10-16-alkyl derivatives, calcium salts (CAS 68584-23-6)			
Long-term, Local, Dermal	1.03 mg/cm <sup>2</sup>	5	Skin Sensitisation
Long-term, Systemic, Inhalation	11.75 mg/m <sup>3</sup>	75	Repeated dose toxicity
Calcium petroleum sulfonate (CAS 61789-86-4)			
Long-term, Local, Dermal	1.03 mg/cm <sup>2</sup>	5	Skin Sensitisation
Long-term, Systemic, Inhalation	11.75 mg/m <sup>3</sup>	75	Repeated dose toxicity
Distillates, petroleum, hydrotreated light paraffinic (CAS 64742-55-8)			
Long-term, Local, Inhalation	5.58 mg/m <sup>3</sup>	45	Repeated dose toxicity
Long-term, Systemic, Dermal	0.97 mg/kg	72	Repeated dose toxicity

## Predicted no effect concentrations (PNECs)

Components	Value	Assessment factor	Notes
2,2'-(octadec-9-enylimino)bisethanol (CAS 25307-17-9)			
Freshwater	0.214 µg/l	50	
Secondary poisoning	2 mg/kg	300	Oral
Sediment (freshwater)	1.692 mg/kg	50	
Soil	5 mg/kg	100	
Distillates, petroleum, hydrotreated light paraffinic (CAS 64742-55-8)			
Secondary poisoning	9.33 mg/kg		Oral

## 8.2. Exposure controls

### Appropriate engineering controls

Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

### Individual protection measures, such as personal protective equipment

#### General information

Use personal protective equipment as required. Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.

#### Eye/face protection

Wear safety glasses with side shields (or goggles). Use eye protection conforming to EN 166.

#### Skin protection

#### - Hand protection

For incidental contact with the product wear chemical-resistant gloves (standard EN 374). The use of disposable gloves is acceptable provided that they are changed immediately after a splash or spill. Nitrile gloves are recommended.

#### - Other

Not available.

#### Respiratory protection

Not necessary in normal use. In case of insufficient ventilation, wear suitable respiratory equipment. (Filter type A)

#### Thermal hazards

Wear appropriate thermal protective clothing, when necessary.

### Hygiene measures

When using do not smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

### Environmental exposure controls

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. Fume scrubbers, filters or engineering modifications to the process equipment may be necessary to reduce emissions to acceptable levels.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

#### Appearance

Physical state	Liquid.
Form	Aerosol.
Colour	Amber.
Odour	Characteristic odor.
Odour threshold	Not available.
pH	Not available.
Melting point/freezing point	0 °C (32 °F) estimated
Initial boiling point and boiling range	Not available.
Flash point	75.0 °C (167.0 °F) Closed cup
Evaporation rate	Not available.
Flammability (solid, gas)	Not available.

#### Upper/lower flammability or explosive limits

Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Vapour pressure	Not available.
Vapour density	Not available.
Relative density	0.82 at 20°C
Solubility(ies)	
Solubility (water)	Insoluble in water
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	> 200 °C (> 392 °F)
Decomposition temperature	Not available.
Viscosity	6.5 - 7 mPa·s at 20°C 4.38 mPa·s at 40°C
Explosive properties	Not explosive.
Oxidising properties	Not oxidising.

### 9.2. Other information

#### Aerosol spray enclosed space

Deflagration density	Not available.
Aerosol spray ignition distance	Not available.
Heat of combustion (NFPA 30B)	3.72 kJ/g estimated
VOC	325 g/l

## SECTION 10: Stability and reactivity

10.1. Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
10.2. Chemical stability	Material is stable under normal conditions.
10.3. Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
10.4. Conditions to avoid	Avoid high temperatures.
10.5. Incompatible materials	Strong oxidising agents.
10.6. Hazardous decomposition products	Carbon oxides.

## SECTION 11: Toxicological information

**General information** Occupational exposure to the substance or mixture may cause adverse effects.

### Information on likely routes of exposure

<b>Inhalation</b>	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
<b>Eye contact</b>	Based on available data, the classification criteria are not met.
<b>Skin contact</b>	May cause an allergic skin reaction.
<b>Ingestion</b>	May cause discomfort if swallowed. However, ingestion is not likely to be a primary route of occupational exposure.

**Symptoms** Exposure may cause temporary irritation, redness, or discomfort.

### 11.1. Information on toxicological effects

**Acute toxicity** Based on available data, the classification criteria are not met.

Components	Species	Test Results
2,2'-(octadec-9-enylimino)bisethanol (CAS 25307-17-9)		
<u><b>Acute</b></u>		
<b>Oral</b>		
LD50	Rat	1260 mg/kg
Benzenesulfonic acid, C10-16-alkyl derivatives, calcium salts (CAS 68584-23-6)		
<u><b>Acute</b></u>		
<b>Oral</b>		
LD50	Rat	> 20000 mg/kg
Calcium petroleum sulfonate (CAS 61789-86-4)		
<u><b>Acute</b></u>		
<b>Dermal</b>		
LD50	Rat	> 4000 mg/kg
<b>Oral</b>		
LD50	Rat	> 16000 mg/kg
Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil — unspecified [ 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 pr (CAS 64742-54-7)		
<u><b>Acute</b></u>		
<b>Dermal</b>		
LD50	Rabbit	> 5000 mg/kg
<b>Inhalation</b>		
LC50	Rat	> 5 mg/l/4h
<b>Oral</b>		
LD50	Rat	> 5000 mg/kg
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, < 2% aromatics		
<u><b>Acute</b></u>		
<b>Dermal</b>		
LD50	Rabbit	> 5000 mg/kg
<b>Inhalation</b>		
LC50	Rat	> 5000 mg/m <sup>3</sup> , 8 h
<b>Oral</b>		
LD50	Rat	> 5000 mg/kg
Components	Species	Test Results
Reaction products of benzenesulfonic acid, mono-C20-24 (even)-sec-alkyl derivs. para-, calcium salts		
<u><b>Acute</b></u>		
<b>Dermal</b>		
LD50	Rabbit	2201 mg/kg
<b>Inhalation</b>		
LC50	Rat	5.1 mg/l/4h
<b>Oral</b>		
LD50	Rat	5500 mg/kg

<b>Skin corrosion/irritation</b>	Based on available data, the classification criteria are not met.
<b>Serious eye damage/eye irritation</b>	Based on available data, the classification criteria are not met.
<b>Respiratory sensitisation</b>	Based on available data, the classification criteria are not met.
<b>Skin sensitisation</b>	Based on available data, the classification criteria are not met.
<b>Germ cell mutagenicity</b>	Based on available data, the classification criteria are not met.
<b>Carcinogenicity</b>	Based on available data, the classification criteria are not met.
<b>Reproductive toxicity</b>	Based on available data, the classification criteria are not met.
<b>Specific target organ toxicity - single exposure</b>	Based on available data, the classification criteria are not met.
<b>Specific target organ toxicity - repeated exposure</b>	Based on available data, the classification criteria are not met.
<b>Aspiration hazard</b>	Not likely, due to the form of the product.
<b>Mixture versus substance information</b>	Not available.
<b>Other information</b>	May cause allergic respiratory and skin reactions.

## SECTION 12: Ecological information

**12.1. Toxicity** The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Components	Species		Test Results
2,2'-(octadec-9-enylimino)bisethanol (CAS 25307-17-9)			
Aquatic			
Acute			
Algae	EC50	Algae	0.0538 mg/l, 72 hours
Crustacea	EC50	Daphnia	0.043 mg/l, 48 hours
Fish	LC50	Fish	0.1 mg/l, 96 hours
Chronic			
Crustacea	NOEC	Daphnia	0.6 - 2.1 mg/l, 21 days
Calcium petroleum sulfonate (CAS 61789-86-4)			
Aquatic			
Acute			
Fish	LC50	Fish	> 10000 mg/kg
Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil — unspecified [ 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 pr (CAS 64742-54-7)			
Aquatic			
Acute			
Algae	EC50	Algae	> 100 mg/l, 48 hours
Crustacea	EC50	Daphnia	> 10000 mg/l, 48 hours
Chronic			
Crustacea	NOEL	Daphnia	10 mg/l, 21 days
Fish	NOEL	Fish	> 1000 mg/l, 21 days
Components	Species		Test Results
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, < 2% aromatics			
Aquatic			
Acute			
Crustacea	EC50	Daphnia	1000 mg/l, 48 h
Fish	LC50	Oncorhynchus mykiss	1000 mg/l, 96 h
Reaction products of benzenesulfonic acid, mono-C20-24 (even)-sec-alkyl derivs. para-, calcium salts			
Aquatic			
Acute			
Algae	EC50	Algae	> 1000 mg/l, 72 hours



<b>12.2. Persistence and degradability</b>	No data is available on the degradability of any ingredients in the mixture.
<b>12.3. Bioaccumulative potential</b>	No data available.
<b>Partition coefficient n-octanol/water (log K<sub>ow</sub>)</b>	Not available.
<b>Bioconcentration factor (BCF)</b>	Not available.
<b>12.4. Mobility in soil</b>	No data available.
<b>12.5. Results of PBT and vPvB assessment</b>	This mixture does not contain substances assessed to be vPvB / PBT according to Regulation (EC) No 1907/2006, Annex XIII.
<b>12.6. Other adverse effects</b>	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component. GWP: 1

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

<b>Residual waste</b>	Not available.
<b>Contaminated packaging</b>	Do not re-use empty containers.
<b>EU waste code</b>	Not available.
<b>Disposal methods/information</b>	Contents under pressure. Do not puncture, incinerate or crush. Dispose of contents/container in accordance with local/regional/national/international regulations.

## SECTION 14: Transport information

### ADR

<b>14.1. UN number</b>	UN1950
<b>14.2. UN proper shipping name</b>	AEROSOLS, flammable
<b>14.3. Transport hazard class(es)</b>	
Class	2.1
Subsidiary risk	-
Label(s)	2.1
Hazard No. (ADR)	Not available.
Tunnel restriction code	D
<b>14.4. Packing group</b>	Not available.
<b>14.5. Environmental hazards</b>	No.
<b>14.6. Special precautions for user</b>	Not available.

### RID

<b>14.1. UN number</b>	UN1950
<b>14.2. UN proper shipping name</b>	AEROSOLS, flammable
<b>14.3. Transport hazard class(es)</b>	
Class	2.1
Subsidiary risk	-
Label(s)	2.1
<b>14.4. Packing group</b>	Not available.
<b>14.5. Environmental hazards</b>	No.
<b>14.6. Special precautions for user</b>	Not available.

### ADN

<b>14.1. UN number</b>	UN1950
<b>14.2. UN proper shipping name</b>	AEROSOLS, flammable
<b>14.3. Transport hazard class(es)</b>	
Class	2.1
Subsidiary risk	-
Label(s)	2.1
<b>14.4. Packing group</b>	Not available.
<b>14.5. Environmental hazards</b>	No.
<b>14.6. Special precautions for user</b>	Not available.

#### IATA

14.1. UN number	UN1950
14.2. UN proper shipping name	Aerosols, flammable
14.3. Transport hazard class(es)	
Class	2.1
Subsidiary risk	-
14.4. Packing group	Not available.
14.5. Environmental hazards	No.
ERG Code	10L
14.6. Special precautions for user	Not available.
Other information	
Passenger and cargo aircraft	Allowed with restrictions.
Cargo aircraft only	Allowed with restrictions.

#### IMDG

14.1. UN number	UN1950
14.2. UN proper shipping name	Aerosols, flammable
14.3. Transport hazard class(es)	
Class	2.1
Subsidiary risk	-
14.4. Packing group	Not available.
14.5. Environmental hazards	
Marine pollutant	No.
EmS	F-D, S-U
14.6. Special precautions for user	Not available.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not established.

ADN; ADR; IATA; IMDG; RID



## SECTION 15: Regulatory information

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

#### Retained direct EU regulations

Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex I and II, as amended  
Not listed.

Regulation (EU) 2019/1021 On persistent organic pollutants (recast), as amended  
Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 1 as amended  
Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 2 as amended  
Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 3 as amended  
Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex V as amended  
Not listed.

**Regulation (EC) No. 166/2006 Annex II Pollutant Release and Transfer Registry, as amended**

Not listed.

**Regulation (EC) No. 1907/2006, REACH Article 59(10) Candidate List as currently published by ECHA**

Not listed.

**Authorisations****Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorization, as amended**

Not listed.

**Restrictions on use****Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use as amended**

Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil — unspecified [ 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 pr (CAS 64742-54-7)

Distillates, petroleum, hydrotreated light paraffinic (CAS 64742-55-8)

**Other EU regulations****Directive 2012/18/EU on major accident hazards involving dangerous substances, as amended**

Not listed.

**Other regulations**

The product is classified and labelled in accordance with Regulation (EC) 1272/2008 (CLP Regulation) as amended. This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006, as amended.

**15.2. Chemical safety assessment**

No Chemical Safety Assessment has been carried out.

**SECTION 16: Other information****List of abbreviations**

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.

ADR: European Agreement Concerning the International Carriage of Dangerous Goods by Road.

ATE: Acute Toxicity Estimate according to REGULATION (EC) No 1272/2008 (CLP).

CAS: Chemical Abstract Service.

Ceiling: Short Term Exposure Limit Ceiling value.

CEN: European Committee for Standardization.

CLP: Classification, Labeling and Packaging REGULATION (EC) No 1272/2008 on classification, labeling and packaging of substances and mixtures.

GWP: Global Warming Potential.

IATA: International Air Transport Association.

IBC Code: International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk.

IMDG: International Maritime Dangerous Goods.

MAK: Threshold limit values Germany (Maximale Arbeitsplatzkonzentration - DFG).

MARPOL: International Convention for the Prevention of Pollution from Ships.

PBT: Persistent, bioaccumulative and toxic.

REACH: Registration, Evaluation and Authorization of Chemicals (REGULATION (EC) No 1907/2006 concerning Registration, Evaluation Authorization and Restriction of Chemicals).

RID: Regulations concerning the international carriage of dangerous goods by rail (Règlement International concernant le transport de marchandises dangereuses par chemin de fer).

RID: Regulations concerning the International Carriage of Dangerous Goods by Rail.

STEL: Short term exposure limit.

TLV: Threshold Limit Value.

TWA: Time Weighted Average.

VOC: Volatile organic compounds.

vPvB: Very persistent and very bioaccumulative.

STEL: Short-term Exposure Limit.

**References**

Not available.

**Information on evaluation method leading to the classification of mixture**

Not available.

**Full text of any H-statements  
not written out in full under  
Sections 2 to 15**

H302 Harmful if swallowed.  
H304 May be fatal if swallowed and enters airways.  
H314 Causes severe skin burns and eye damage.  
H317 May cause an allergic skin reaction.  
H318 Causes serious eye damage.  
H410 Very toxic to aquatic life with long lasting effects.

**Revision information**

None.

**Training information**

Not available.

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