SAFETY DATA SHEET

Conformément au Règlement sur les produits dangereux (RPD), DORS/2015-17.

In accordance with the Hazardous Products Regulations (HPR), SOR/2015-17.

Version number: 1

Issued: 2026-11-23

ZF LifeguardFluid 8.3 DCT

SECTION 1: Identification

Product identifier

Trade name

ZF LifeguardFluid 8.3 DCT

Article No.

5961.340.025

Recommended use of the chemical and restrictions on use

Product type

Mixture.

Use

Gear oil.

Not suitable for use in

This product is not recommended for any industrial, professional or consumer use other than the identified uses above.

Supplier's details

SDS created by

Global Division B Product Compliance Mgmt. System (BWC)

Supplier

ZF Services, LLC

Address
ZF Services Region North
America Headquarters
777 Hickory Hill Drive
Vernon Hills
60061 Illinois
USA

Telephone
+1 847 478 6868

Email
msds.zf-aftermarket@zf.com

ZF LifeguardFluid 8.3 DCT

Contact person
Global Division B Product Compliance Mgmt. System (BWC)

Email address
msds.zf-aftermarket@zf.com

Emergency phone number
(+49) 89 19 240

Available outside office hours
Yes

SECTION 2: Hazard identification

Classification of the substance or mixture and any national or regional information

Description
This material is considered to be NON-HAZARDOUS according to regulatory guidelines.This product has been classified in accordance with hazard criteria of the Hazardous Products Regulations (HPR) SOR/2015-17 and the SDS contains all the information required by the HPR SOR/2015-17.

Label elements, including precautionary statements

More information
Signal word: No signal word.
Hazard statements: No hazard statements.
Precautionary statements: Not applicable.
Response: Not applicable.
Storage: Not applicable.
Disposal: Not applicable.

Other hazards which do not result in classification

None known.
Notes: This material should not be used for any other purpose than the intended use in Section 1 without expert advice. Health studies have shown that chemical exposure may cause potential human health risks which may vary from person to person.

SECTION 3: Composition/information on ingredients

Mixture

Chemical name	CAS No. EC No. REACH No. Index No.	Concentration	Classification	H-phrase M factor acute M factor chronic	Specific concentration limits ATE	Note
hydrotreated light naphthenic distillate (petroleum)	64742-53-6 265-156-6 - -	≥10 - ≤30%	-	- - -		-
catalytic dewaxed light paraffinic oil (petroleum)	64742-71-8 265-176-5 - -	≥10 - ≤30%	-	- - -		-
olefin sulfide	68511-50-2 270-943-2 - -	≥5 - ≤10%	-	- - -		-
Hydrotreated light paraffinic distillate (petroleum)	64742-55-8 - - -	≥1 - ≤5%	-	- - -		-
phosphoric acid esters, amine salt	- - - -	≥1 - ≤5%	Skin Sens. 1B, Aquatic Acute 1, Aquatic Chronic 2	H317, H400, H411 - -		Proprietary
Distillates (petroleum), hydrotreated heavy paraffinic	64742-54-7 265-157-1 01-2119484627-25 649-467-00-8	≥1 - ≤5%	Asp. Tox. 1	H304 - -		ATE (oral): >5000 mg/kg; ATE (dermal): >5000 mg/kg; ATE (inhalation): 5 mg/kg

Substance additional information
By handling of mineral oil products and chemical products no particular hazard is known when normal precautions (item 7) and personal protective equipment (item 8) are kept. The product may not be released into the environment without control.

Unknown toxicity: Due to information available product does not contain any ingredients of unknown toxicity.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs, vPvBs or Substances of equivalent concern, or have been assigned a workplace exposure limit and hence require reporting in this section.
Occupational exposure limits, if available, are listed in Section 8.
The full text for all hazard statements is displayed in section 16.

SECTION 4: First-aid measures

Description of necessary first-aid measures

No action shall be taken involving any personal risk or without suitable training.

Inhalation
If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

Skin contact
Wash skin thoroughly with soap and water or use recognized skin cleanser. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

Eye contact
Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs. If product is injected into or under the skin, or into any part of the body, regardless of the appearance of the wound or its size, the individual should be evaluated immediately by a physician as a surgical emergency. Even though initial symptoms from high pressure injection may be minimal or absent, early surgical treatment within the first few hours may significantly reduce the ultimate extent of injury.

Ingestion

Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink

Most important symptoms/effects, acute and delayed

Inhalation

Potential acute health effects: / Over-exposure signs/symptoms:
No known significant effects or critical hazards.

Skin contact

Potential acute health effects: / Over-exposure signs/symptoms:
No known significant effects or critical hazards.

Eye contact

Potential acute health effects: / Over-exposure signs/symptoms:
No known significant effects or critical hazards.

Ingestion

Potential acute health effects: / Over-exposure signs/symptoms:
No known significant effects or critical hazards.

Indication of immediate medical attention and special treatment needed, if necessary

No specific treatment.
Notes to physician: Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

SECTION 5: Fire-fighting measures

Suitable (and unsuitable) extinguishing media

Suitable extinguishing media

Use dry chemical, CO_2, water spray (fog) or foam.

Unsuitable extinguishing media

Do not use water jet.

Specific hazards arising from the chemical (e.g. nature of any hazardous combustion products).

In a fire or if heated, a pressure increase will occur and the container may burst.
This material is harmful to aquatic organisms. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.
Hazardous combustion products: Aldehydes, Incomplete combustion products, Oxides of carbon, Smoke, Fume, sulfur oxides.

Special protective actions for fire-fighters

Special protective equipment for fire-fighters

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
Special protective actions for fire-fighters: Use standard firefighting procedures and consider the hazards of other involved materials. Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. Assure an extended cooling down period to prevent reignition. Prevent run-off from fire control or dilution from entering streams, sewers or drinking water supply. No action shall be taken involving any personal risk or without suitable training.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.

For emergency responders: If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

Environmental precautions

Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities. Collect spillage.

Methods and materials for containment and cleaning up

Small spillages: Stop leak if without risk. Move containers from spill area. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Dispose of via a licensed waste disposal contractor.

Large spill: Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Confine the spill immediately with booms. Remove from the surface by skimming or with suitable absorbents. Seek the advice of a specialist before using dispersants. Warn other shipping. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Water spill and land spill recommendations are based on the most likely spill scenario for this material; however, geographic conditions, wind, temperature, (and in the case of a water spill) wave and current direction and speed may greatly influence the appropriate action to be taken. For this reason, local experts should be consulted. Note: Local regulations may prescribe or limit action to be taken.

Reference to other sections

No data available

SECTION 7: Handling and storage

Precautions for safe handling

Preventive handling precautions

Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Do not get in eyes or on skin or clothing. Do not ingest. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

General hygiene

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

Static Accumulator : This material is a static accumulator. A liquid is typically considered a nonconductive, static accumulator if its conductivity is below 100 pS/m (100x10E-12 Siemens per meter) and is considered a semiconductive, static accumulator if its
conductivity is below 10,000 pS/m. Whether a liquid is nonconductive or semiconductive, the precautions are the same. A number of factors, for example liquid temperature, presence of contaminants, anti-static additives and filtration can greatly influence the conductivity of a liquid.

Specific end use(s)

No data available

SECTION 8: Exposure controls/personal protection

Control parameters

Exposure limits

Occupational exposure limits: See below OEL table.

National occupational exposure limits

Ingredient	CAS No. EC No.	Exposure limit ppm / mg/m³	Source	Remark	Year
distillat léger hydrotraité (pétrole)	- -	- / 5	CA Ontario Provincial (Canada, 6/2019) [Mineral oil, excluding metal working fluids (pure, highly and severely refined)]	TWA 8 hours: Form: inhalable particulate matter.	2019
distillat léger hydrotraité (pétrole)	- -	- / 5	CA Alberta Provincial (Canada, 3/2023) [Oil]	OEL 8 hours: Form: mist.	2023
distillat léger hydrotraité (pétrole)	- -	- / 10	CA Alberta Provincial (Canada, 3/2023) [Oil]	OEL 15 minutes: Form: mist.	2023
distillat léger hydrotraité (pétrole)	- -	- / 5	ACGIH TLV (United States, 1/2025) [Mineral Oil, pure, highly and severely refined]	TWA 8 hours: Form: Inhalable fraction.	2025
huile paraffinée légère (pétrole) débarrassée des cires par catalyse	- -	- / 5	CA Ontario Provincial (Canada, 6/2019) [Mineral oil, excluding metal working fluids (pure, highly and severely refined)]	TWA 8 hours: Form: inhalable particulate matter.	2019

Ingredient	CAS No. EC No.	Exposure limit ppm / mg/m³	Source	Remark	Year
huile paraffinée légère (pétrole) débarrassée des cires par catalyse	- -	- / 5	CA Alberta Provincial (Canada, 3/2023) [Oil]	OEL 8 hours: Form: mist.	2023
huile paraffinée légère (pétrole) débarrassée des cires par catalyse	- -	- / 10	CA Alberta Provincial (Canada, 3/2023) [Oil]	OEL 15 minutes: Form: mist.	2023
huile paraffinée légère (pétrole) débarrassée des cires par catalyse	- -	- / 5	ACGIH TLV (United States, 1/2025) [Mineral Oil, pure, highly and severely refined]	TWA 8 hours: Form: Inhalable fraction.	2025
distillat paraffinique lourd déparaffiné au solvant	- -	- / 5	CA Ontario Provincial (Canada, 6/2019) [Mineral oil, excluding metal working fluids (pure, highly and severely refined)]	TWA 8 hours: Form: inhalable particulate matter.	2019
distillat paraffinique lourd déparaffiné au solvant	- -	- / 5	CA Alberta Provincial (Canada, 3/2023) [Oil]	OEL 8 hours: Form: mist.	2023
distillat paraffinique lourd déparaffiné au solvant	- -	- / 10	CA Alberta Provincial (Canada, 3/2023) [Oil]	OEL 15 minutes: Form: mist.	2023

Ingredient	CAS No. EC No.	Exposure limit ppm / mg/m³	Source	Remark	Year
distillat paraffinique lourd déparaffiné au solvant	- -	- / 5	ACGIH TLV (United States, 1/2025) [Mineral Oil, pure, highly and severely refined]	TWA 8 hours: Form: Inhalable fraction.	2025
distillat léger hydrotraité paraffinique (pétrole)	- -	- / 5	CA Ontario Provincial (Canada, 6/2019) [Mineral oil, excluding metal working fluids (pure, highly and severely refined)]	TWA 8 hours: Form: inhalable particulate matter.	2019
distillat léger hydrotraité paraffinique (pétrole)	- -	- / 5	CA Alberta Provincial (Canada, 3/2023) [Oil]	OEL 8 hours: Form: mist.	2023
distillat léger hydrotraité paraffinique (pétrole)	- -	- / 10	CA Alberta Provincial (Canada, 3/2023) [Oil]	OEL 15 minutes: Form: mist.	2023
distillat léger hydrotraité paraffinique (pétrole)	- -	- / 5	ACGIH TLV (United States, 1/2025) [Mineral Oil, pure, highly and severely refined]	TWA 8 hours: Form: Inhalable fraction.	2025

Ingredient	CAS No. EC No.	Exposure limit ppm / mg/m³	Source	Remark	Year
distillat paraffinique lourd fortement hydrotraite	- -	- / 5	CA Ontario Provincial (Canada, 6/2019) [Mineral oil, excluding metal working fluids (pure, highly and severely refined)]	TWA 8 hours: Form: inhalable particulate matter.	2019
distillat paraffinique lourd fortement hydrotraite	- -	- / 5	CA Alberta Provincial (Canada, 3/2023) [Oil]	OEL 8 hours: Form: mist.	2023
distillat paraffinique lourd fortement hydrotraite	- -	- / 10	CA Alberta Provincial (Canada, 3/2023) [Oil]	OEL 15 minutes: Form: mist.	2023
distillat paraffinique lourd fortement hydrotraite	- -	- / 5	ACGIH TLV (United States, 1/2025) [Mineral Oil, pure, highly and severely refined]	TWA 8 hours: Form: Inhalable fraction.	2025

Appropriate engineering controls

Appropriate engineering controls

Good general ventilation should be sufficient to control worker exposure to airborne contaminants. Hygiene measures: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye / face protection
Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.EN 166.

Hand protection
Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

Other skin protection
Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection
Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

Environmental exposure controls
Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Physical state
Liquid

Colour
Yellow.

Odour
Characteristic.

Melting point / freezing point
No data available

Boiling point or initial boiling point and boiling range
>230°C (>446°F)

Flammability
Ignitable

Lower and upper explosion limit
Lower: 0.9%
Upper: 7%

Flash point
>150°C (>302°F)
Method
ASTM D-92 [OC (Open cup).]

Auto-ignition temperature
No data available

Decomposition temperature
No data available

pH
Not applicable.

Kinematic viscosity
91.6 cSt [40 °C]
15.8 cSt [100 °C]
Method
ASTM D 445

Solubility
No data available

Water solubility
negligible (water); not available (other solvents)

Partition coefficient n-octanol/water
>3.5

Vapour pressure
<0.1 mm Hg [20 °C]

Density and/or relative density
No data available

Relative density
0.903
Method
ASTM D4052

Relative vapour density
>2 [Air = 1]

Particle characteristics
Not applicable.

Other information
Pour point: -42°C [ASTM D97]
DMSO Extract (mineral oil only), IP-346: <3 % by weight

SECTION 10: Stability and reactivity

Reactivity
No specific test data related to reactivity available for this product or its ingredients.

Chemical stability
Stable under normal use conditions.

Possibility of hazardous reactions
Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to avoid
High energy sources of ignition. Excessive heat.

Incompatible materials

Strong oxidizing agents.

Hazardous decomposition products

Under normal conditions of storage and use, hazardous reactions will not occur.

SECTION 11. Toxicological information

Information on the likely routes of exposure

Acute toxicity

Minimally Toxic. No end point data for material. Based on assessment of the components.

Skin corrosion/irritation

Negligible irritation to skin at ambient temperatures. No end point data for material. Based on assessment of the components.

Serious eye damage/irritation

May cause mild, short-lasting discomfort to eyes. No end point data for material. Based on assessment of the components.

Respiratory or skin sensitisation

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

Germ cell mutagenicity

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

Carcinogenicity

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

Product / Substance name CAS / EC no.	Result
Distillates (petroleum), hydrotreated light paraffinic -	ACGIH: A4
Distillates (petroleum), hydrotreated light paraffinic -	ACGIH: A4
Distillates (petroleum), hydrotreated heavy paraffinic -	ACGIH: A4

Product / Substance name CAS / EC no.	Result
catalytic dewaxed light paraffinic oil (petroleum) -	ACGIH: A4

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

STOT-single exposure
Based on available data, the classification criteria are not met.

STOT-repeated exposure
Based on available data, the classification criteria are not met.

Aspiration hazard
Based on available data, the classification criteria are not met.

Information on other hazards

Other information
Base oil severely refined: Not carcinogenic in animal studies. Representative material passes IP-346, Modified Ames test, and/or other screening tests. Dermal and inhalation studies showed minimal effects; lung non-specific infiltration of immune cells, oil deposition and minimal granuloma formation. Not sensitizing in test animals.

SECTION 12: Ecological information

Toxicity

Acute toxicity
Toxic to aquatic life.

Chronic toxicity
Toxic to aquatic life with long lasting effects.

Persistence and degradability
Base oil component -- Expected to be inherently biodegradable.

Bioaccumulative potential

Base oil component -- Has the potential to bioaccumulate, however metabolism or physical properties may reduce the bioconcentration or limit bioavailability.

Mobility in soil

Mobility

Base oil component -- Expected to partition to sediment and wastewater solids. Low solubility and floats and is expected to migrate from water to the land.

Results of PBT and vPvB assessment

No data available

Endocrine disrupting properties

No data available

Other adverse effects

No known significant effects or critical hazards.

SECTION 13: Disposal considerations

Disposal methods

Disposal considerations

The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Packaging
Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Empty Container Warning (where applicable): Empty containers may contain residue and can be dangerous. Do not attempt to refill or clean containers
without proper instructions. Empty drums should be completely drained and safely stored until appropriately reconditioned or disposed. Empty containers should be taken for recycling, recovery, or disposal through suitably qualified or licensed
contractor and in accordance with governmental regulations. DO NOT PRESSURISE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION. THEY MAY EXPLODE AND CAUSE INJURY
OR DEATH.

SECTION 14: Transport information

UN number

UNRTDG: UN3082
TDG: UN3082
TDG Classification: Product classified as per the following sections of the Transportation of Dangerous Goods Regulations: 2.43-2.45 (Class 9), 2.7 (Marine pollutant mark). Non-bulk packages of this product are not regulated as dangerous goods when transported by road or rail.Explosive Limit and Limited Quantity Index: 5Special provisions: 16, 99

DOT Classification: Non-bulk packages of this product are not regulated as hazardous materials unless transported by inland waterway. This product is not regulated as a hazardous material when transported in sizes of ≤5 L or ≤5 kg, provided the packaging meet
the general provisions of §§ 173.24 and 173.24a.Limited quantity: Yes.Packaging instruction Exceptions: 155. Non-bulk: 203. Bulk: 241.Special provisions: 8, 146, 173, 335, 441, IB3, T4, TP1, TP29

UN proper shipping name

ADR / RID / ADN proper shipping name
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (phosphoric acid esters, amine salt)

IMDG proper shipping name
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (phosphoric acid esters, amine salt)

IATA proper shipping name
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (phosphoric acid esters, amine salt)

ZF LifeguardFluid 8.3 DCT

Transport hazard class(es)

Label

9

ADR/RID/ADN




9 *Environmental hazard*

IMDG




Environmental hazard *9*

IMDG Class

9

This product is not regulated as a dangerous good when transported in sizes of ≤5 L or ≤5 kg, provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8.
Emergency schedules: F-A, S-F
Special provisions: 274, 335, 969

IATA Class

9

This product is not regulated as a dangerous good when transported in sizes of ≤5 L or ≤5 kg, provided the packagings meet the general provisions of 5.0.2.4.1, 5.0.2.6.1.1 and 5.0.2.8.Quantity limitation Passenger and Cargo Aircraft: 450 L. Packaging instructions: 964. Cargo Aircraft Only: 450 L. Packaging instructions: 964. Limited Quantities - Passenger Aircraft: 30 kg. Packaging instructions: Y964.Special provisions A97, A158, A197, A215.

ADN Class

9

Packing group

III

Environmental hazards

Yes.

IMDG Marine Pollutant
Yes.

Special precautions for user
Transport within user's premises: always transport in closed containers that are upright and secure.
Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Transport in bulk according to IMO instruments
Not applicable

SECTION 15: Regulatory information

Safety, health and environmental regulations specific for the product in question

EU regulations
Not applicable.

National regulations
INRP canadien : Les composants suivants sont répertoriés: amines aliphatiques à longue chaîne.
Substances toxiques au sens de la LCPE (Loi canadienne sur la protection de l'environnement):
Aucun des composants n'est répertorié.

Other regulations, limitations and legal regulations
Inventory list:
Australia inventory (AIIC): All components are listed or exempted.
Canada inventory (DSL/NDSL): All components are listed or exempted.
China inventory (IECSC): All components are listed or exempted.
Japan inventory (CSCL): All components are listed or exempted.
Japan inventory: All components are listed or exempted.
New Zealand Inventory of Chemicals (NZIoC): All components are listed or exempted.
Philippines inventory (PICCS): All components are listed or exempted.
Korea inventory (KECI): All components are listed or exempted.
Taiwan Chemical Substances Inventory (TCSI): All components are listed or exempted.
United States inventory (TSCA 8b): All components are active or exempted.

Chemical safety assessment
No data available

SECTION 16: Other information

Phrase meaning

Skin Sens. 1B - Skin sensitisation, hazard category 1, sub-category 1B
Aquatic Acute 1 - Hazardous to the aquatic environment — Acute hazard category 1
Aquatic Chronic 2 - Hazardous to the aquatic environment — Chronic hazard category 2
Asp. Tox. 1 - Aspiration hazard, hazard category 1
H304 May be fatal if swallowed and enters airways.
H317 May cause an allergic skin reaction.
H400 Very toxic to aquatic life.
H411 Toxic to aquatic life with long lasting effects.

Other

Additional information

Disclaimer : Disclaimer: The data contained in this safety data sheet are based on our current knowledge and experience and are given to the best of our knowledge and belief. It characterizes the product only with regard to safety requirements for handling, transport and disposal. The data do not describe the product's properties (tech. product specification). Neither should any agreed property nor the suitability of the product for any specific technical application be deduced from the data contained in this safety data sheet. Modifications on this document are not allowed. The data are not transferable to other products. In the case of mixing the product with other products or in the case of processing, the data in this safety data sheet are not necessarily valid for the new-made material. It is the responsibility of the recipient of the product to observe federal, state and local law. Please contact us to obtain up-to-date safety data sheets. This document was issued electronically and has no signature.