SAFETY DATA SHEET

According to Regulation (US HCS) 29 CFR 1910.1200

ZF Lifeguard eFluid 1

Version number: 1

Issued: 2026-11-06

SECTION 1: Identification

Product identifier

Trade name

ZF Lifeguard eFluid 1

Article No.

5961.308.181

Recommended use of the chemical and restrictions on use

Product type

Mixture

Use

Transmission fluids

Not suitable for use in

No uses advised against identified.

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

Contact person

Global Division B Product Compliance Mgmt. System (BWC)

Email address

msds.zf-aftermarket@zf.com

Emergency phone number

1-800-222-1222 (general poison US emergency 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

Classification according to Regulation (US HCS) 29 CFR 1910.1200

Classification

Aspiration hazard, hazard category 1

Hazard statements

H304

Description

The product has been classified and labelled as hazardous according to the legislation in force.

Label elements, including precautionary statements

Labeling according to Regulation (US HCS) 29 CFR 1910.1200

Hazard pictograms



Signal word

Danger

Hazard statements

H304 May be fatal if swallowed and enters airways.

Precautionary statements

P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor/.
P331 Do NOT induce vomiting.
P405 Store locked up.
P501 Dispose of contents/container to an approved facility in accordance with local, regional, national and international regulations.

More information

Prevention : Not applicable

Other hazards which do not result in classification

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.

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
Distillates (petroleum), hydrotreated heavy paraffinic	64742-54-7 265-157-1 01-2119484627-25 649-467-00-8	≥65 - ≤85%	Asp. Tox. 1	H304 - -		ATE (oral): >5000 mg/kg; ATE (dermal): >5000 mg/kg; ATE (inhalation): 5 mg/kg

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
Distillates (petroleum), hydrotreated light paraffinic; 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 C15 through C30 and produces a finished oil with a viscosity of less than 100 SUS at 100 °F (19cSt at 40 °C). It contains a relatively large proportion of saturated hydrocarbons.]	64742-55-8 265-158-7 01-2119487077-29 649-468-00-3	≥15 - ≤40%	Asp. Tox. 1	H304 - -		-
mineral oil	- - - -	≥1 - ≤5%	Asp. Tox. 1	H304 - -		ATE (oral): >5000 mg/kg; ATE (dermal): >5000 mg/kg; ATE (inhalation): 5 mg/kg
Distillates, petroleum, hydrotreated heavy paraffinic	64742-54-7 - - -	0.1 - 1%	-	- - -		-

Product based on

Mineral oil of petroleum origin. Product containing mineral oil with less than 3% DMSO extract as measured by IP 346

Substance additional information
Any concentration shown as a range is to protect confidentiality or is due to batch variation.
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 and hence require reporting in this section.
Occupational exposure limits, if available, are listed in Section 8.

SECTION 4: First-aid measures

Description of necessary first-aid measures

Inhalation
Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

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. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Eye contact
Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention if irritation occurs.

Ingestion
Wash out mouth with water. Remove dentures if any. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. The exposed person may need to be kept under medical surveillance for 48 hours.

Most important symptoms/effects, acute and delayed

Potential acute health effects:
Eye contact : No known significant effects or critical hazards.
Inhalation : No known significant effects or critical hazards.
Skin contact : Defatting to the skin. May cause skin dryness and irritation.
Ingestion: May be fatal if swallowed and enters airways. Chemical pneumonitis.

Inhalation
Over-exposure signs/symptoms: breathing difficulty or shortness of breath. Chemical pneumonitis.

Skin contact
Over-exposure signs/symptoms:
irritation, dryness, cracking.

Eye contact
Over-exposure signs/symptoms:
No specific data.

Ingestion
Over-exposure signs/symptoms:
nausea or vomiting.
breathing difficulty or shortness of breath.
Chemical pneumonitis

Indication of immediate medical attention and special treatment needed, if necessary
Notes to physician : The exposed person may need to be kept under medical surveillance for 48 hours.
Specific treatments : No specific treatment.
Protection of first-aiders : No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

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.
Hazardous thermal decomposition products: carbon monoxide, carbon dioxide, nitrogen oxides, phosphorus oxides, sulfur oxides, hydrogen sulfide and mercaptans

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: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. 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. Provide adequate ventilation.
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 nonemergency personnel".

Environmental precautions

Avoid dispersal of spilled 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).

Methods and materials for containment and cleaning up

Small spill: Stop leak if without risk. Move containers from spill area. Absorb with an inert material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product.

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. 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. Contaminated absorbent material may pose the same hazard as the spilled product. Dispose of via a licensed waste disposal contractor.

Reference to other sections

See Section 8 of the SDS for Personal Protective Equipment. See Section 7 for information on safe handling See Section 13 for information on disposal.

SECTION 7: Handling and storage

Precautions for safe handling

Preventive handling precautions

Put on appropriate personal protective equipment (see Section 8). Do not swallow. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. 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. Shelf life: 36 months. 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. Store locked up. 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.

Specific end use(s)

No data available.

SECTION 8: Exposure controls/personal protection

Control parameters

Exposure limits

Occupational exposure limits: See below OEL table
Biological exposure indices: No exposure indices known.

Advisory OEL Mineral oil mist: USA: OSHA (PEL) TWA 5 mg/m3, NIOSH (REL) TWA 5 mg/m3, STEL 10 mg/m3, ACGIH (TLV) TWA 5 mg/m3 (highly refined).

National occupational exposure limits

Ingredient	CAS No. EC No.	Exposure limit ppm / mg/m³	Source	Remark	Year
Distillates (petroleum), hydrotreated heavy paraffinic	- -	- / 5	NIOSH REL (United States, 10/2020) [OIL MIST MIN-ERAL]	TWA 10 hours: Form: Mist.	2020
Distillates (petroleum), hydrotreated heavy paraffinic	- -	- / 10	NIOSH REL (United States, 10/2020) [OIL MIST MIN-ERAL]	STEL 15 minutes: Form: Mist	2020
Distillates (petroleum), hydrotreated heavy paraffinic	- -	- / 5	OSHA PEL (United States, 5/2018) [Oil mist, mineral]	TWA 8 hours	2018
Distillates (petroleum), hydrotreated heavy paraffinic	- -	- / 5	ACGIH TLV (United States, 1/2025) [Min-eral Oil, pure, highly and severely refined] A4	TWA 8 hours:Form: Inhalable fraction	2025
Distillates (petroleum), hydrotreated light paraffinic	- -	- / 5	NIOSH REL (United States, 10/2020) [OIL MIST MIN-ERAL]	TWA 10 hours: Form: Mist	2020
Distillates (petroleum), hydrotreated light paraffinic	- -	- / 10	NIOSH REL (United States, 10/2020) [OIL MIST MIN-ERAL]	STEL 15 minutes: Form: Mist.	2020
Distillates (petroleum), hydrotreated light paraffinic	- -	- / 5	OSHA PEL (United States, 5/2018) [Oil mist, mineral]	TWA 8 hours	2018

Ingredient	CAS No. EC No.	Exposure limit ppm / mg/m³	Source	Remark	Year
Distillates (petroleum), hydrotreated light paraffinic	- -	- / 5	ACGIH TLV (United States, 1/2025) [Mineral Oil, pure, highly and severely refined] A4	TWA 8 hours: Form: Inhalable fraction	2025
Distillates (petroleum), hydrotreated heavy paraffinic	- -	- / 5	NIOSH REL (United States, 10/2020) [OIL MIST MINERAL]	TWA 10 hours: Form: Mist	2020
Distillates (petroleum), hydrotreated heavy paraffinic	- -	- / 10	NIOSH REL (United States, 10/2020) [OIL MIST MINERAL]	STEL 15 minutes: Form: Mist	2020
Distillates (petroleum), hydrotreated heavy paraffinic	- -	- / 5	OSHA PEL (United States, 5/2018) [Oil mist, mineral]	TWA 8 hours	2018
Distillates (petroleum), hydrotreated heavy paraffinic	- -	- / 5	ACGIH TLV (United States, 1/2025) [Mineral Oil, pure, highly and severely refined] A4	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.

Personal Protective Equipment Symbols



Eye / face protection
safety glasses with side-shields.

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. Hydrocarbon-proof gloves. Fluorinated rubber. nitrile rubber Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time. In case of prolonged contact with the product, it is recommended to wear gloves complying with ISO 21420 and EN 374 standards, protecting at least for 480 minutes and having a thickness of 0,38 mm at least. These values are indicative only. The level of protection is provided by the material of the glove, its technical characteristics, its resistance to the chemicals to be handled, the appropriateness of its use and its replacement frequency

Other skin protection
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
Ensure adequate ventilation and check that a safe, breathable atmosphere is present before entry into confined spaces. In case of insufficient ventilation, wear suitable respiratory equipment. The use of breathing apparatus must comply strictly with the manufacturer's instructions and the regulations governing their choices and uses.

Thermal hazards
No data available.

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. [Clear.]

Colour
Yellow.

Odour
Characteristic.

Melting point / freezing point
Technically not possible to measure

Boiling point or initial boiling point and boiling range
>316°C (>600.8°F)
Method
EN ISO 3405

Flammability
Not applicable

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

Flash point
215°C (419°F)
Method
Open cup [ASTM D 92]

Auto-ignition temperature
>215°C (>419°F)
Method
ASTM E 659

Decomposition temperature
Not applicable.

pH
Product is non-soluble (in water);
Not applicable.

Kinematic viscosity
18 to 19.6 mm2/s (18 to 19.6 cSt) [40°C (104°F)]
Method
ASTM D 445

Viscosity, dynamic
Not available

Solubility
No data available

Water solubility
Not soluble

Partition coefficient n-octanol/water
Not applicable

Vapour pressure
<0.013 kPa (<0.1 mm Hg) [room temperature];
Not applicable. [50°C]

Density and/or relative density
0.833 to 0.839 g/cm³ [15°C]
Method
ISO 12185

Relative density
0.833 to 0.839
Method
ISO 12185

Relative vapour density
No data available

Particle characteristics
Not applicable

Other information
Pour point : -48°C (-54.4°F)
Vapor density: >2 [Air = 1]

SECTION 10: Stability and reactivity

Reactivity

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

Chemical stability

Stable under recommended storage and handling conditions (see Section 7).

Possibility of hazardous reactions

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

Conditions to avoid

No specific data.

Incompatible materials

Strong oxidizing agents.

Hazardous decomposition products

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

SECTION 11. Toxicological information

Information on the likely routes of exposure

Acute toxicity

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

Product / Substance name CAS / EC no.	Dose descriptor	Value / Dose	Exposure route	Duration of exposure	Test animals	Method / Guideline
Distillates (petroleum), hydrotreated heavy paraffinic -	LD50	>5000 mg/kg	Oral	-	Rat - Male, Female	OECD [401 Read across]
Distillates (petroleum), hydrotreated heavy paraffinic -	LD50	>5000 mg/kg	Dermal	-	Rabbit - Male, Female	OECD [402 Read across]

Product / Substance name CAS / EC no.	Dose descriptor	Value / Dose	Exposure route	Duration of exposure	Test animals	Method / Guideline
Distillates (petroleum), hydrotreated heavy paraffinic -	LC50	>5 mg/l	Inhalation	4 hr [Dust and mist]	Rat - Male, Female	OECD [403 Read across]
Distillates (petroleum), hydrotreated light paraffinic -	LD50	>5000 mg/kg	Oral	-	Rat	OECD [420]
Distillates (petroleum), hydrotreated light paraffinic -	LD50	> 5000 mg/kg	Dermal	-	Rabbit	OECD [402]
Distillates (petroleum), hydrotreated light paraffinic -	LC50	>5 mg/l	Inhalation	4 hr [Dusts and mists]	Rat	OECD [403]
Distillates (petroleum), hydrotreated heavy paraffinic -	LD50	> 5000 mg/kg	Oral	-	Rat - Male, Female	OECD [401 Read across]
Distillates (petroleum), hydrotreated heavy paraffinic -	LD50	> 5000 mg/kg	Dermal	-	Rabbit	OECD [402 Read across]
Distillates (petroleum), hydrotreated heavy paraffinic -	LC50	>5 mg/l	Inhalation	4 hr [Dusts and mists]	Rat	OECD [403 Read across]

Skin corrosion/irritation

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

Serious eye damage/irritation
Based on available data, the classification criteria are not met.

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.

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.

Symptoms related to the physical, chemical and toxicological characteristics
Eye contact : No specific data.
Inhalation breathing difficulty or shortness of breath Chemical pneumonitis.
Skin contact: irritation, dryness, cracking
Ingestion: nausea or vomiting, breathing difficulty or shortness of breath, Chemical pneumonitis.

Potential acute health effects:
Eye contact : No known significant effects or critical hazards.
Inhalation : No known significant effects or critical hazards.
Skin contact : Defatting to the skin. May cause skin dryness and irritation.
Ingestion: May be fatal if swallowed and enters airways. Chemical pneumonitis.

Delayed and immediate effects as well as chronic effects from short and long-term exposure
General : No known significant effects or critical hazards.
Carcinogenicity : No known significant effects or critical hazards.
Mutagenicity : No known significant effects or critical hazards.
Reproductive toxicity : No known significant effects or critical hazards.

Information on other hazards

Other information
No data available

SECTION 12: Ecological information

Toxicity

Acute toxicity

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

Acute fish toxicity

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species
mineral oil -	LC50	>100 mg/l	96 hr	Fish - Pimephales promelas

Acute algae toxicity

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species	Method / Guideline	Remark
Distillates (petroleum), hydrotreated light paraffinic -	EC50	>100 mg/l	72 hr	Algae - Pseudokirchneriella subcapitata	OECD [201]	-
mineral oil -	EC50	>100 mg/l	72 hr	Algae - Scenedesmus quadricauda	-	-
Distillates (petroleum), hydrotreated heavy paraffinic -	LL50	>100 mg/l	72 hr	Algae - Pseudokirchneriella subcapitata	OECD [201]	Effect: (growth rate)
Distillates (petroleum), hydrotreated heavy paraffinic -	EC50	>100 mg/l	72 hr	Algae - Pseudokirchneriella subcapitata	OECD [201]	Effect: (growth rate)

Acute crustacean toxicity

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species	Method / Guideline	Remark
Distillates (petroleum), hydrotreated heavy paraffinic -	EC50	>10000 mg/l	48 hr	Crustaceans - Daphnia magna	OECD [202]	Effect: Mobility
Distillates (petroleum), hydrotreated light paraffinic -	EC50	>10000 mg/l	48 hr	Daphnia - Daphnia magna	OECD [202]	-
mineral oil -	EC50	>10000 mg/l	48 hr	Daphnia	-	-
Distillates (petroleum), hydrotreated heavy paraffinic -	EC50	>10000 mg/l	48 hr	Crustaceans - Daphnia magna	OECD [202]	Effect: Mobility

Chronic toxicity

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

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species	Method / Guideline	Remark
Distillates (petroleum), hydrotreated heavy paraffinic -	NOEL	>1000 mg/l	21 d	Crustaceans - Daphnia magna	Effect: Reproduction	-
Distillates (petroleum), hydrotreated heavy paraffinic -	NOEL	>100 mg/l	72 hr	Algae - Pseudokirchneriella subcapitata	OECD [201]	Effect: (growth rate)
Distillates (petroleum), hydrotreated light paraffinic -	NOEL	>1000 mg/l	21 d	Fish - Oncorhynchus mykiss	-	-

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species	Method / Guideline	Remark
Distillates (petroleum), hydrotreated light paraffinic -	NOEL	10 mg/l	21 d	Daphnia - Daphnia magna	OECD [211]	-
mineral oil -	NOEL	>10 mg/l	21 d	Daphnia	-	-
Distillates (petroleum), hydrotreated heavy paraffinic -	NOEL	>1000 mg/l	21 d	Fish - Oncorhynchus mykiss	Effect: Mortality	-
Distillates (petroleum), hydrotreated heavy paraffinic -	NOEL	10 mg/l	21 d	Crustaceans - Daphnia magna	Effect: Reproduction	-
Distillates (petroleum), hydrotreated heavy paraffinic -	NOEL	>100 mg/l	72 hr	Algae - Pseudokirchneriella subcapitata	OECD [201]	Effect: (growth rate)

Persistence and degradability

Product / Substance name CAS / EC no.	Duration	Result	Degradation	Method / Guideline
Distillates (petroleum), hydrotreated heavy paraffinic -	28 d	Not readily	31%	OECD 301F
Distillates (petroleum), hydrotreated heavy paraffinic -	28 d	Not readily	31 %	OECD 301F

Product / Substance name CAS / EC no.	Duration	Result	Degradation	Method / Guideline
Distillates (petroleum), hydrotreated heavy paraffinic -	-	Not readily	-	-
mineral oil -	-	Not readily	-	-
Distillates (petroleum), hydrotreated heavy paraffinic -	-	Not readily	-	-

Bioaccumulative potential

Product / Substance name CAS / EC no.	LogKow / LogPow	Result
Distillates (petroleum), hydrotreated heavy paraffinic -	LogKow: >4	Potential: HIgh

Mobility in soil

Mobility

Soil/water partition coefficient (KOC) : Not available.

Mobility in soil: Given its physical and chemical characteristics, the product generally shows low soil mobility The product is insoluble and floats on water. Loss by evaporation is limited.

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 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. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Should not be released into the environment.

SECTION 14: Transport information

UN number

Not regulated

UN proper shipping name

ADR / RID / ADN proper shipping name

Not regulated

IMDG proper shipping name

Not regulated

IATA proper shipping name

Not regulated

Transport hazard class(es)

Label

Not regulated

ADR / RID Class

Not regulated

IMDG Class

Not regulated

IATA Class

Not regulated

ADN Class
Not regulated

Packing group
Not regulated

Environmental hazards
No

IMDG Marine Pollutant
No

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 available.

SECTION 15: Regulatory information

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

EU regulations
Not Applicable.

National regulations

TSCA 8(a) PAIR: diphenylamine; decamethylcyclopentasiloxane; dodecamethylcyclohexasiloxane
TSCA 8(a) CDR Exempt/Partial exemption: Not determined
TSCA 12(b) - Chemical export notification: Not applicable.
Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs): Not listed
Clean Air Act Section 602 Class I Substances: Not listed
Clean Air Act Section 602 Class II Substances: Not listed
DEA List I Chemicals (Precursor Chemicals) : Not listed

DEA List II Chemicals (Essential Chemicals) : Not listed
SARA 302/304: Composition/information on ingredients: No products were found.
SARA 304 RQ : Not applicable.

SARA 311/312:
Classification : ASPIRATION HAZARD - Category 1
Composition/information on ingredients:
Name: Distillates (petroleum), hydrotreated heavy paraffinic (≥65 - ≤85%) [Classification: ASPIRATION HAZARD - Category 1].
Name: Distillates (petroleum), hydrotreated light paraffinic (≥15 - ≤40) [Classification: ASPIRATION HAZARD - Category 1].
Name: mineral oil (≥1 - ≤5%) [Classification: ASPIRATION HAZARD - Category 1].

State regulations:
Massachusetts: The following components are listed: OIL MIST, MINERAL; MINERAL OIL, PETROLEUM DISTILLATES, HYDROTREATED LIGHT PARAFFINIC
New York : None of the components are listed.
New Jersey : None of the components are listed.
Pennsylvania : None of the components are listed.

California Prop. 65: To the best of our knowledge, this product does not contain any substances known to the State of California to cause cancer, developmental and/or reproductive harm.

Other regulations, limitations and legal regulations

International regulations:
Chemical Weapon Convention List Schedules I, II & III Chemicals: Not listed.
Montreal Protocol: Not listed.
Stockholm Convention on Persistent Organic Pollutants: Not listed.
Rotterdam Convention on Prior Informed Consent (PIC): Not listed.
UNECE Aarhus Protocol on POPs and Heavy Metals: Not listed.

Inventory list:
Australia inventory (AIIC) : All components are listed or exempted.
Canada inventory (DSL/NDSL) : All components are listed or exempted.
Chile inventory : Not determined.
China inventory (IECSC) : All components are listed or exempted.
Colombia inventory (INSQUI) : Not determined.
Europe inventory (EINECS/ELINCS/NLP): All components are listed or exempted.
Japan inventory: Japan inventory (CSCL): All components are listed or exempted; Japan inventory (ISHL): 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.
Thailand inventory : Not determined.
Turkey inventory : Not determined.
United States inventory (TSCA 8b) : All components are listed or exempted.
Vietnam inventory : Not determined.

Chemical safety assessment

No data available

Other

The information stated in this section relates solely to the conformity of the chemical product with the countries Inventories. The information used to confirm the inventory status of this product may be based on additional data to the chemical composition shown in Section 3. Other regulations may apply for importation or marketing authorizations.

SECTION 16: Other information

Phrase meaning

Asp. Tox. 1 - Aspiration hazard, hazard category 1
H304 May be fatal if swallowed and enters airways.

Other

Additional information

Hazardous Material Information System (U.S.A.):
Health: /2
Flammability: 1
Physical hazards: 0

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings and the associated label are not required on SDSs or products leaving a facility under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered trademark and service mark of the American Coatings Association, Inc. The customer is responsible for determining the PPE code for this material. For more information on HMIS® Personal Protective Equipment (PPE) codes, consult the HMIS® Implementation Manual.

National Fire Protection Association (U.S.A.):
Health: 2
Flammability: 1
nstability/Reactivity: 0
Special: -

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Copyright ©2001, National Fire Protection Association, Quincy, MA 02269. This warning system is intended to be interpreted and applied only by properly trained individuals to identify fire, health and reactivity hazards of chemicals. The user is referred to certain limited number of chemicals with recommended classifications in NFPA 49 and NFPA 325, which would be used as a guideline only. Whether the chemicals are classified by NFPA or not, anyone using the 704 systems to classify chemicals does so at their own risk.

Disclaimer: To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.
Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.
This Safety Data Sheet has been updated to reflect the requirements of OSHA’s Hazard Communication Standard (HCS) 2024.