

SAFETY DATA SHEET

PELGRASSOL CP



ZSCHIMMER & SCHWARZ

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

1.1 Product identifier

Product name : PELGRASSOL CP
UFI : UFN0-N01R-100X-8MRQ
EC number : Mixture.
CAS number : Not applicable.

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

Identified uses

Manufacture
Formulation or re-packing
Leather treatment chemical.
Processing aid

1.3 Details of the supplier of the safety data sheet

Zschimmer & Schwarz GmbH & Co KG
Max-Schwarz-Str. 3-5
56112 Lahnstein / GERMANY
+49 (0)2621 12-0

e-mail address of person responsible for this SDS : msds@zschimmer-schwarz.com

Bauer Handels GmbH



Vertrieb Schweiz:	Vertrieb Deutschland & EU:
Bauer Handels GmbH	Bauer Handels GmbH
Allmendstrasse 17	Freibühlstrasse 6
CH-8320 Fehraltorf	DE-78224 Singen
Tel. +41 (0) 44 939 18 68	Tel.+49 (0) 7731 926 44 16

www.taxidermy.ch info@taxidermy.ch

1.4 Emergency telephone number

National advisory body/Poison Center

Telephone number : Giftinformationszentren; Germany:

Giftnotruf der Charité Universitätsmedizin Berlin
030 - 192 40

Informationszentrale gegen Vergiftungen Bonn
0228 - 192 40

Giftnotruf Erfurt
0361 - 730 730

Vergiftungs-Informations-Zentrale Freiburg
0761 - 192 40

Giftinformationszentrum-Nord der Länder Bremen, Hamburg, Niedersachsen und Schleswig-Holstein (GIZ-Nord), Göttingen
0551 - 192 40

Giftinformationszentrum der Länder Rheinland-Pfalz, Hessen und Saarland, Mainz
06131 - 192 40

Giftnotruf München
089 - 192 40

Supplier

Telephone number : +49 (0)2621 12-0
Hours of operation : 24/7

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Product definition : Mixture

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

Skin Irrit. 2, H315

Eye Dam. 1, H318

Aquatic Chronic 3, H412

The product is classified as hazardous according to Regulation (EC) 1272/2008 as amended.

See Section 16 for the full text of the H statements declared above.

See Section 11 for more detailed information on health effects and symptoms.

2.2 Label elements

Hazard pictograms :



Signal word : Danger

Hazard statements : Causes skin irritation.
Causes serious eye damage.
Harmful to aquatic life with long lasting effects.

Precautionary statements

Prevention : ☒ Wear protective gloves: > 8 hours (breakthrough time): nitrile rubber. Wear eye or face protection. Avoid release to the environment. Wash thoroughly after handling.

Response : ☒ IF ON SKIN: Wash with plenty of water. Take off contaminated clothing and wash it before reuse. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor.

Storage : ☒ Not applicable.

Disposal : ☒ Dispose of contents and container in accordance with all local, regional, national and international regulations.

Supplemental label elements : Not applicable.

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles : Not applicable.

Special packaging requirements

Containers to be fitted with child-resistant fastenings : ☒ Not applicable.

Tactile warning of danger : ☒ Not applicable.

2.3 Other hazards

Product meets the criteria for PBT or vPvB according to Regulation (EC) No. 1907/2006, Annex XIII : This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

Other hazards which do not result in classification : None known.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

: Mixture

Product/ingredient name	Identifiers	%	Classification	Specific Conc. Limits, M-factors and ATEs	Type
Distillates (petroleum), hydrotreated heavy paraffinic	REACH #: 01-2119484627-25 EC: 265-157-1 CAS: 64742-54-7 Index: 649-467-00-8	≥10 - ≤25	Asp. Tox. 1, H304	-	[1]
Alcohols, C12-15, ethoxylated, sulfates, sodium salts	REACH #: Polymer CAS: 125301-92-0	≥10 - ≤25	Skin Irrit. 2, H315 Eye Irrit. 2, H319	-	[1]
2,2' -oxybisethanol	REACH #: 01-2119457857-21 EC: 203-872-2 CAS: 111-46-6 Index: 603-140-00-6	≤10	Acute Tox. 4, H302	ATE [Oral] = 500 mg/kg	[1] [2]
2-(2-butoxyethoxy)ethanol	REACH #: 01-2119475104-44 EC: 203-961-6 CAS: 112-34-5 Index: 603-096-00-8	≤10	Eye Irrit. 2, H319	-	[1] [2]
Alcohols, C12-14, ethoxylated	REACH #: Polymer CAS: 68439-50-9	≤5	Acute Tox. 4, H302 Eye Dam. 1, H318 Aquatic Chronic 3, H412	ATE [Oral] = 500 mg/kg	[1]
Alcohols, C12-15, branched and linear, ethoxylated	REACH #: Polymer CAS: 106232-83-1	≤5	Acute Tox. 4, H302 Eye Dam. 1, H318 Aquatic Chronic 3, H412	ATE [Oral] = 500 mg/kg	[1]
Alcohols, C9-11-iso-, C10-rich, ethoxylated	REACH #: Polymer CAS: 78330-20-8	≤3	Eye Irrit. 2, H319	-	[1]
dodecan-1-ol	REACH #: 01-2119485976-15 EC: 203-982-0 CAS: 112-53-8	≤3	Eye Irrit. 2, H319 Aquatic Acute 1, H400 Aquatic Chronic 2, H411	M [Acute] = 1	[1]
tetradecanol	REACH #: 01-2119485910-33 EC: 204-000-3 CAS: 112-72-1	<1	Eye Irrit. 2, H319 Aquatic Chronic 1, H410	M [Chronic] = 1	[1]
decan-1-ol	REACH #: 01-2119480407-35 EC: 203-956-9 CAS: 112-30-1	≤0.1	Eye Irrit. 2, H319 Aquatic Chronic 3, H412 See Section 16 for the full text of the H statements declared above.	-	[1] [2]

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.

Type

SECTION 3: Composition/information on ingredients

[1] Substance classified with a health or environmental hazard

[2] Substance with a workplace exposure limit

Occupational exposure limits, if available, are listed in Section 8.

SECTION 4: First aid measures

4.1 Description of first aid measures

- Eye contact** : Get medical attention immediately. Call a poison center or physician. 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. Chemical burns must be treated promptly by a physician.
- Inhalation** : Get medical attention immediately. Call a poison center or physician. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. 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. 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. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
- Skin contact** : Get medical attention immediately. Call a poison center or physician. Wash contaminated skin with soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician. Wash clothing before reuse. Clean shoes thoroughly before reuse.
- Ingestion** : Get medical attention immediately. Call a poison center or physician. Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. 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. Chemical burns must be treated promptly by a physician. 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.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

4.2 Most important symptoms and effects, both acute and delayed

Over-exposure signs/symptoms

- Eye contact** : Adverse symptoms may include the following:
pain
watering
redness
- Inhalation** : No specific data.
- Skin contact** : Adverse symptoms may include the following:
pain or irritation
redness
blistering may occur
- Ingestion** : Adverse symptoms may include the following:
stomach pains

4.3 Indication of any immediate medical attention and special treatment needed

SECTION 4: First aid measures

- Notes to physician** : In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
- Specific treatments** : No specific treatment.

SECTION 5: Firefighting measures

5.1 Extinguishing media

- Suitable extinguishing media** : Use an extinguishing agent suitable for the surrounding fire.
- Unsuitable extinguishing media** : None known.

5.2 Special hazards arising from the substance or mixture

- Hazards from the substance or mixture** : In a fire or if heated, a pressure increase will occur and the container may burst. This material is harmful to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.
- Hazardous combustion products** : Decomposition products may include the following materials:
carbon dioxide
carbon monoxide
nitrogen oxides
sulfur oxides
metal oxide/oxides

5.3 Advice for firefighters

- 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.
- 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. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

SECTION 6: Accidental release measures

6.1 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. Do not breathe vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. 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".

6.2 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). Water polluting material. May be harmful to the environment if released in large quantities.

6.3 Methods and materials for containment and cleaning up

- Small spill** : Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

SECTION 6: Accidental release measures

- 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. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. 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.
- 6.4 Reference to other sections** : See Section 1 for emergency contact information.
See Section 8 for information on appropriate personal protective equipment.
See Section 13 for additional waste treatment information.

SECTION 7: Handling and storage

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

7.1 Precautions for safe handling

- Protective measures** : Put on appropriate personal protective equipment (see Section 8). Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Avoid release to the environment. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. 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.
- Advice on general occupational 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.

7.2 Conditions for safe storage, including any incompatibilities

Do not store above the following temperature: 50°C (122°F). 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. 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. See Section 10 for incompatible materials before handling or use.

7.3 Specific end use(s)

- Recommendations** : Not available.
- Industrial sector specific solutions** : Not available.

SECTION 8: Exposure controls/personal protection

The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

8.1 Control parameters

Occupational exposure limits

Product/ingredient name	Exposure limit values
2,2'-oxybisethanol	DFG MAC-values list (Germany, 7/2023) Develop C. TWA 8 hours: 10 ppm. PEAK 15 minutes: 40 ppm 4 times per shift [Interval: 1 hour]. TWA 8 hours: 44 mg/m³. PEAK 15 minutes: 176 mg/m³ 4 times per shift [Interval: 1 hour]. TRGS 900 OEL (Germany, 6/2023) TWA 8 hours: 44 mg/m³. PEAK 15 minutes: 176 mg/m³.

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SECTION 8: Exposure controls/personal protection

2-(2-butoxyethoxy)ethanol	<p>TWA 8 hours: 10 ppm. PEAK 15 minutes: 40 ppm. DFG MAC-values list (Germany, 7/2023) Develop C. TWA 8 hours: 67 mg/m³. PEAK 15 minutes: 100.5 mg/m³ 4 times per shift [Interval: 1 hour]. TWA 8 hours: 10 ppm. PEAK 15 minutes: 15 ppm 4 times per shift [Interval: 1 hour]. TRGS 900 OEL (Germany, 6/2023) TWA 8 hours: 67 mg/m³. PEAK 15 minutes: 100.5 mg/m³. TWA 8 hours: 10 ppm. PEAK 15 minutes: 15 ppm. EU OEL (Europe, 1/2022) TWA 8 hours: 67.5 mg/m³. TWA 8 hours: 10 ppm. STEL 15 minutes: 101.2 mg/m³. STEL 15 minutes: 15 ppm.</p>
decan-1-ol	<p>DFG MAC-values list (Germany, 7/2023) Develop C. PEAK 15 minutes: 66 mg/m³ 4 times per shift [Interval: 1 hour]. PEAK 15 minutes: 10 ppm 4 times per shift [Interval: 1 hour]. TWA 8 hours: 66 mg/m³. TWA 8 hours: 10 ppm. TRGS 900 OEL (Germany, 6/2023) PEAK 15 minutes: 10 ppm. PEAK 15 minutes: 66 mg/m³. TWA 8 hours: 66 mg/m³. TWA 8 hours: 10 ppm.</p>

Biological exposure indices

No exposure indices known.

Recommended monitoring procedures : Reference should be made to monitoring standards, such as the following:
European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

DNELs/DMELs

Product/ingredient name	Type	Exposure	Value	Population	Effects
Distillates (petroleum), hydrotreated heavy paraffinic	DNEL	Long term Inhalation	2.7 mg/m ³	Workers	Systemic
	DNEL	Long term Inhalation	5.6 mg/m ³	Workers	Local
	DNEL	Long term Dermal	1 mg/kg bw/day	Workers	Systemic
	DNEL	Long term Oral	0.74 mg/kg bw/day	General population	Systemic
	DNEL	Long term Inhalation	44 mg/m ³	Workers	Systemic
	DNEL	Long term Inhalation	60 mg/m ³	Workers	Local
	DNEL	Long term Dermal	43 mg/kg bw/day	Workers	Systemic
	DNEL	Long term Inhalation	12 mg/m ³	General population	Systemic
	DNEL	Long term Inhalation	12 mg/m ³	General population	Local
2,2'-oxybisethanol					

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SECTION 8: Exposure controls/personal protection

2-(2-butoxyethoxy)ethanol	DNEL	Long term Dermal	21 mg/kg bw/day	General population	Systemic
	DNEL	Long term Inhalation	67.5 mg/m ³	Workers	Systemic
	DNEL	Long term Inhalation	67.5 mg/m ³	Workers	Local
	DNEL	Short term Inhalation	101.2 mg/m ³	Workers	Local
	DNEL	Long term Dermal	83 mg/kg bw/day	Workers	Systemic
	DNEL	Long term Inhalation	40.5 mg/m ³	General population	Systemic
	DNEL	Long term Inhalation	40.5 mg/m ³	General population	Local
	DNEL	Short term Inhalation	60.7 mg/m ³	General population	Local
	DNEL	Long term Dermal	50 mg/kg bw/day	General population	Systemic
	DNEL	Long term Oral	5 mg/kg bw/day	General population	Systemic
dodecan-1-ol	DNEL	Long term Inhalation	313 mg/m ³	Workers	Systemic
	DNEL	Long term Inhalation	155 mg/m ³	Workers	Local
	DNEL	Long term Dermal	89 mg/kg bw/day	Workers	Systemic
	DNEL	Long term Inhalation	77 mg/m ³	General population	Systemic
	DNEL	Long term Dermal	44.5 mg/kg bw/day	General population	Systemic
	DNEL	Long term Oral	44.5 mg/kg bw/day	General population	Systemic
tetradecanol	DNEL	Long term Inhalation	313 mg/m ³	Workers	Systemic
	DNEL	Long term Inhalation	178 mg/m ³	Workers	Local
	DNEL	Long term Dermal	89 mg/kg bw/day	Workers	Systemic
	DNEL	Long term Inhalation	77 mg/m ³	General population	Systemic
	DNEL	Long term Dermal	44.4 mg/kg bw/day	General population	Systemic
	DNEL	Long term Oral	44.4 mg/kg bw/day	General population	Systemic
	DNEL	Long term Oral	44.4 mg/kg bw/day	General population	Systemic
	DNEL	Long term Oral	44.4 mg/kg bw/day	General population	Systemic

PNECs

Product/ingredient name	Compartment Detail	Value	Method Detail
Distillates (petroleum), hydrotreated heavy paraffinic	Secondary Poisoning	9.33 mg/kg	-
2-(2-butoxyethoxy)ethanol	Fresh water	1.1 mg/l	Assessment Factors
	Marine water	0.11 mg/l	Assessment Factors
	Sewage Treatment Plant	200 mg/l	Assessment Factors
	Fresh water sediment	4.4 mg/kg dwt	Equilibrium Partitioning
	Marine water sediment	0.44 mg/kg dwt	Equilibrium Partitioning
	Soil	0.32 mg/kg dwt	Equilibrium Partitioning
	Secondary Poisoning	56 mg/kg	Assessment Factors
	Fresh water	0.001 mg/l	Assessment Factors
	Marine water	0.0001 mg/l	Assessment Factors
	Fresh water sediment	0.666 mg/kg dwt	Equilibrium Partitioning
dodecan-1-ol	Marine water sediment	0.0666 mg/kg dwt	Equilibrium Partitioning
	Soil	0.132 mg/kg dwt	Equilibrium Partitioning
	Fresh water	0.001 mg/l	Assessment Factors
	Fresh water	0.001 mg/l	Assessment Factors
tetradecanol	Fresh water	0.001 mg/l	Assessment Factors
	Fresh water	0.001 mg/l	Assessment Factors

SECTION 8: Exposure controls/personal protection

	Marine water	0.0001 mg/l	Assessment Factors
	Fresh water sediment	2.14 mg/kg dwt	Equilibrium Partitioning
	Marine water sediment	0.214 mg/kg dwt	Equilibrium Partitioning
	Soil	0.428 mg/kg dwt	Equilibrium Partitioning

8.2 Exposure controls

Appropriate engineering controls : If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

Individual protection measures

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: chemical splash goggles and/or face shield. If inhalation hazards exist, a full-face respirator may be required instead.

Skin protection

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. > 8 hours (breakthrough time): nitrile rubber

Body 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.

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.

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


The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

9.1 Information on basic physical and chemical properties

Appearance

Physical state : Liquid.
Color : Yellow. [Light]
Odor : Characteristic.
Odor threshold : Not available.
Melting point/freezing point : <-5°C

SECTION 9: Physical and chemical properties

Boiling point or initial boiling point and boiling range	: 100°C (212°F)
Flammability (solid, gas)	: Not available.
Upper/lower flammability or explosive limits	: Not available.
Flash point	: Closed cup: Not applicable.
Auto-ignition temperature	: Not available.
Decomposition temperature	: Not available.
pH	: 6.5 [Conc. (% w/w): 10%]
Viscosity	:  Dynamic (room temperature): 150 mPa·s Kinematic (room temperature): Not available. Kinematic (40°C): Not available.
Solubility	:

Media	Result
cold water	Easily soluble

Solubility in water	: Not available.
Miscible with water	: Yes.
Partition coefficient n-octanol/ water (log Pow)	: Not applicable.
Vapor pressure	: 2.3 kPa (17.25 mm Hg)
Relative density	: Not available.
Density	: 0.966 g/cm ³ [20°C (68°F)]
Relative vapor density	: Not available.
Explosive properties	: Not available.
Oxidizing properties	: No.
Particle characteristics	
Median particle size	: Not applicable.

9.2 Other information

9.2.1 Information with regard to physical hazard classes

Explosive properties	: Not available.
Oxidizing properties	: No.

9.2.2 Other safety characteristics

Miscible with water	: Yes.
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SECTION 10: Stability and reactivity

10.1 Reactivity	: No specific test data related to reactivity available for this product or its ingredients.
10.2 Chemical stability	: The product is stable.
10.3 Possibility of hazardous reactions	: Under normal conditions of storage and use, hazardous reactions will not occur.
10.4 Conditions to avoid	: No specific data.
10.5 Incompatible materials	: No specific data.
10.6 Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Distillates (petroleum), hydrotreated heavy paraffinic	LC50 Inhalation Dusts and mists	Rat - Male, Female	>5.53 mg/l	4 hours
	LD50 Dermal	Rabbit - Male, Female	>5000 mg/kg	-
	LD50 Oral	Rat - Male, Female	>5000 mg/kg	-
Alcohols, C12-15, ethoxylated, sulfates, sodium salts	LD50 Oral	Rat	>2000 mg/kg	-
	LC50 Inhalation Dusts and mists	Rat	>4.6 mg/l	4 hours
	LD50 Dermal	Rabbit	>13300 mg/kg	-
2,2'-oxybisethanol	LD50 Oral	Rat - Male, Female	16500 mg/kg	-
	LC50 Inhalation Dusts and mists	Rat	>29 ppm	2 hours
	LD50 Dermal	Rabbit - Male	2764 mg/kg	-
2-(2-butoxyethoxy)ethanol	LD50 Oral	Rat - Male	7291 mg/kg	-
	LD50 Oral	Rat	300 to 2000 mg/kg	-
	LD50 Oral	Rat	300 to 2000 mg/kg	-
Alcohols, C12-14, ethoxylated	LD50 Oral	Rat	>2000 mg/kg	-
	LD50 Oral	Rat	>2000 mg/kg	-
	LD50 Oral	Rat	>2000 mg/kg	-
Alcohols, C12-15, branched and linear, ethoxylated	LC50 Inhalation Dusts and mists	Rat - Male, Female	>71 mg/l	1 hours
	LD50 Dermal	Rat - Male, Female	>5000 mg/kg	-
	LD50 Oral	Rat - Male, Female	>5000 mg/kg	-
Alcohols, C9-11-iso-, C10-rich, ethoxylated dodecan-1-ol	LD50 Oral	Rat - Male, Female	8000 mg/kg	-
	LD50 Dermal	Rabbit - Male, Female	8000 mg/kg	-
	NOAEL Oral	Rat - Male, Female	≥2000 mg/kg	-
tetradecanol	NOAEL Inhalation Vapor	Rat - Male, Female	>1.5 mg/l	1 hours

Conclusion/Summary : Not available.

Acute toxicity estimates

Product/ingredient name	Oral (mg/kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapors) (mg/l)	Inhalation (dusts and mists) (mg/l)
PELGRASSOL CP	2801.1	N/A	N/A	N/A	N/A
2,2'-oxybisethanol	500	N/A	N/A	N/A	N/A
2-(2-butoxyethoxy)ethanol	7291	2764	N/A	N/A	N/A
Alcohols, C12-14, ethoxylated	500	N/A	N/A	N/A	N/A
Alcohols, C12-15, branched and linear, ethoxylated	500	N/A	N/A	N/A	N/A
tetradecanol	N/A	8000	N/A	N/A	N/A

Irritation/Corrosion

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SECTION 11: Toxicological information

Product/ingredient name	Result	Species	Score	Exposure	Observation
Distillates (petroleum), hydrotreated heavy paraffinic	Eyes - Edema of the conjunctivae	Rabbit	0.11	-	-
	Skin - Erythema/Eschar	Rabbit	0.17	-	-
Alcohols, C12-15, ethoxylated, sulfates, sodium salts	Eyes - Irritant	Rabbit	-	-	-
	Skin - Irritant	Rabbit	-	-	-
2,2' -oxybisethanol	Eyes - Cornea opacity	Rabbit	<1	-	-
	Skin - Primary dermal irritation index (PDII)	Rabbit	0.04	-	-
2-(2-butoxyethoxy)ethanol	Eyes - Irritant	Rabbit	-	-	-
	Skin - Erythema/Eschar	Rabbit	1.78	-	-
Alcohols, C12-14, ethoxylated	Eyes - Severe irritant	Rabbit	-	-	-
	Skin - Not irritant	Rabbit	-	-	-
Alcohols, C12-15, branched and linear, ethoxylated	Eyes - Severe irritant	Rabbit	-	-	-
	Skin - Not irritant	Rabbit	-	-	-
Alcohols, C9-11-iso-, C10-rich, ethoxylated	Eyes - Irritant	Rabbit	-	-	-
	Skin - Not irritant	Rabbit	-	-	-
dodecan-1-ol	Eyes - Irritant	Rabbit	-	-	-
	Skin - Erythema/Eschar	Rabbit	1.43	-	-
tetradecanol	Eyes - Cornea opacity	Rabbit	1	-	-
	Skin - Erythema/Eschar	Human	0	-	-

Conclusion/Summary : Not available.

Respiratory or skin sensitization

Product/ingredient name	Route of exposure	Species	Result
Distillates (petroleum), hydrotreated heavy paraffinic	skin	Guinea pig	Not sensitizing
2,2' -oxybisethanol	skin	Guinea pig	Not sensitizing
2-(2-butoxyethoxy)ethanol	skin	Guinea pig	Not sensitizing
dodecan-1-ol	skin	Guinea pig	Not sensitizing
tetradecanol	skin	Guinea pig	Not sensitizing

Conclusion/Summary : Not available.

Mutagenicity

Product/ingredient name	Test	Experiment	Result
Distillates (petroleum), hydrotreated heavy paraffinic	OECD 471 Bacterial Reverse Mutation Test	Experiment: In vitro Subject: Bacteria	Negative
	OECD 473 <i>In vitro</i> Mammalian Chromosomal Aberration Test	Experiment: In vitro Subject: Mammalian-Animal	Negative
	OECD 476 <i>In vitro</i> Mammalian Cell Gene Mutation Test	Experiment: In vitro Subject: Mammalian-Animal	Negative
	OECD 474 Mammalian Erythrocyte Micronucleus Test	Experiment: In vivo Subject: Mammalian-Animal	Negative
2,2' -oxybisethanol	OECD 471 Bacterial Reverse Mutation Test	Experiment: In vitro Subject: Bacteria	Negative
	OECD 473 <i>In vitro</i> Mammalian Chromosomal Aberration Test	Experiment: In vitro Subject: Mammalian-Animal	Negative
	OECD 479 Genetic	Experiment: In vitro	Negative

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2-(2-butoxyethoxy)ethanol	Toxicology: <i>In vitro</i> Sister Chromatid Exchange Assay in Mammalian Cells	Subject: Mammalian-Animal	
	OECD 474 Mammalian Erythrocyte Micronucleus Test	Experiment: <i>In vivo</i> Subject: Mammalian-Animal	Negative
	OECD 471 Bacterial Reverse Mutation Test	Experiment: <i>In vitro</i> Subject: Bacteria	Negative
	OECD 473 <i>In vitro</i> Mammalian Chromosomal Aberration Test	Experiment: <i>In vitro</i> Subject: Mammalian-Animal	Negative
	OECD 476 <i>In vitro</i> Mammalian Cell Gene Mutation Test	Experiment: <i>In vitro</i> Subject: Mammalian-Animal	Negative
	OECD 475 Mammalian Bone Marrow Chromosomal Aberration Test	Experiment: <i>In vivo</i> Subject: Mammalian-Animal	Negative
dodecan-1-ol	OECD 471 Bacterial Reverse Mutation Test	Experiment: <i>In vitro</i> Subject: Bacteria	Negative
	OECD 473 <i>In vitro</i> Mammalian Chromosomal Aberration Test	Experiment: <i>In vitro</i> Subject: Mammalian-Animal	Negative
	OECD 476 <i>In vitro</i> Mammalian Cell Gene Mutation Test	Experiment: <i>In vitro</i> Subject: Mammalian-Animal	Negative
tetradecanol	OECD 474 Mammalian Erythrocyte Micronucleus Test	Experiment: <i>In vivo</i> Subject: Mammalian-Animal	Negative
	OECD 471 Bacterial Reverse Mutation Test	Experiment: <i>In vitro</i> Subject: Bacteria	Negative
	OECD 473 <i>In vitro</i> Mammalian Chromosomal Aberration Test	Experiment: <i>In vitro</i> Subject: Mammalian-Animal	Negative
	OECD 476 <i>In vitro</i> Mammalian Cell Gene Mutation Test	Experiment: <i>In vitro</i> Subject: Mammalian-Animal	Negative
	OECD 474 Mammalian Erythrocyte Micronucleus Test	Experiment: <i>In vivo</i> Subject: Mammalian-Animal	Negative
	OECD 471 Bacterial Reverse Mutation Test	Experiment: <i>In vitro</i> Subject: Bacteria	Negative

Conclusion/Summary : Not available.

Carcinogenicity

Product/ingredient name	Result	Species	Dose	Exposure
Distillates (petroleum), hydrotreated heavy paraffinic 2,2' -oxybisethanol	Negative - Dermal - TCLo	Mouse - Female	-	78 weeks
	Negative - Oral - TDLo	Rat - Male, Female	1210 mg/kg	108 weeks
dodecan-1-ol	Negative - Dermal - TCLo	Mouse - Female	300 mg/kg	440 days; 3 days per week
	Negative - Intraperitoneal - TCLo	Mouse - Male, Female	500 mg/kg	8 weeks; 3 days per week

Conclusion/Summary : Not available.

Reproductive toxicity

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Product/ingredient name	Maternal toxicity	Fertility	Development toxin	Species	Dose	Exposure
Distillates (petroleum), hydrotreated heavy paraffinic	Negative	Negative	Negative	Rat - Male, Female	Oral: 1000 mg/kg	39 days; 7 days per week
2,2' -oxybisethanol	-	Negative	-	Mouse - Male, Female	Oral: 3060 mg/kg	-
2-(2-butoxyethoxy)ethanol	-	Negative	-	Rat - Male, Female	Oral: 1000 mg/kg	-
dodecan-1-ol	Negative	Negative	Negative	Rat - Male, Female	Oral: 2000 mg/kg	54 days; 7 days per week
tetradecanol	Negative	Negative	Negative	Rat - Male, Female	Oral: 2000 mg/kg	54 days; 7 days per week

Conclusion/Summary : Not available.

Teratogenicity

Product/ingredient name	Result	Species	Dose	Exposure
Distillates (petroleum), hydrotreated heavy paraffinic	Negative - Dermal	Rat	2000 mg/kg	19 days; 7 days per week
2,2' -oxybisethanol	Negative - Oral Negative - Oral	Rabbit - Female Rat - Male, Female	1000 mg/kg 1120 mg/kg	- -
2-(2-butoxyethoxy)ethanol	Negative - Dermal	Rabbit	1000 mg/kg	-
dodecan-1-ol	Negative - Oral	Rat	1300 mg/kg	10 days; 7 days per week
tetradecanol	Negative - Oral	Rat	1300 mg/kg	10 days; 7 days per week

Conclusion/Summary : Not available.

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Product/ingredient name	Result
Distillates (petroleum), hydrotreated heavy paraffinic	ASPIRATION HAZARD - Category 1

Information on the likely routes of exposure : Not available.

Potential acute health effects

- Eye contact** : Causes serious eye damage.
- Inhalation** : No known significant effects or critical hazards.
- Skin contact** : Causes skin irritation.
- Ingestion** : No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

- Eye contact** : Adverse symptoms may include the following:
pain
watering
redness

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SECTION 11: Toxicological information

Inhalation	: No specific data.
Skin contact	: Adverse symptoms may include the following: pain or irritation redness blistering may occur
Ingestion	: Adverse symptoms may include the following: stomach pains

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Long term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Potential chronic health effects

Product/ingredient name	Result	Species	Dose	Exposure
Distillates (petroleum), hydrotreated heavy paraffinic	Sub-chronic LOAEL Oral	Rat - Male	125 mg/kg	13 weeks; 5 days per week
	Chronic NOAEL Dermal	Mouse - Male	≥150 mg/kg	24 months; 2 days per week
	Sub-acute NOAEL Dermal	Rabbit - Male, Female	1000 mg/kg	4 weeks; 3 days per week
	Sub-chronic NOAEL Dermal	Rat - Male, Female	≥2000 mg/kg	13 weeks; 5 days per week
	Sub-acute NOAEL Inhalation Dusts and mists	Rat - Male, Female	>980 mg/m ³	4 weeks; 6 hours per day
	Sub-acute LD50 Dermal	Dog - Male	>2000 mg/kg	28 days
	Sub-chronic LOAEL Oral	Rat - Male, Female	230 mg/kg	225 days
2,2' -oxybisethanol	Sub-acute NOAEL Oral	Rat - Male, Female	936 mg/kg	28 days
	Sub-chronic NOAEL Dermal	Rat - Male, Female	>2000 mg/kg	90 days; 6 hours per day
	Sub-chronic NOAEL Oral	Rat - Male, Female	250 mg/kg	90 days; 7 days per week
dodecan-1-ol	Sub-chronic NOAEL Inhalation Vapor	Rat - Male, Female	14 ppm	90 days; 6 hours per day
	Sub-chronic NOAEL Dermal	Rat - Male, Female	1000 mg/kg	13 weeks; 5 days per week
	Sub-chronic NOAEL Oral	Rat - Male, Female	3548 mg/kg	90 days; 7 days per week
tetradecanol	Sub-chronic NOAEL Dermal	Rat - Male, Female	1000 mg/kg	13 weeks; 5 days per week
	Sub-chronic NOAEL Oral	Rat - Male, Female	3548 mg/kg	90 days; 7 days per week

Conclusion/Summary	: Not available.
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.

11.2 Information on other hazards

11.2.1 Endocrine disrupting properties

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Not available.

11.2.2 Other information

SECTION 12: Ecological information

12.1 Toxicity

Product/ingredient name	Result	Species	Exposure
Distillates (petroleum), hydrotreated heavy paraffinic	Acute EC50 >100 mg/l Fresh water	Algae - <i>Raphidocelis subcapitata</i>	72 hours
	Acute EC50 >10000 mg/l Fresh water	Daphnia - <i>Daphnia magna</i>	48 hours
	Acute EC50 >1000 mg/l Fresh water	Micro-organism - <i>Tetrahymena pyriformis</i>	40 hours
Alcohols, C12-15, ethoxylated, sulfates, sodium salts	Acute LC50 >100 mg/l Fresh water	Fish - <i>Pimephales promelas</i>	96 hours
	Chronic NOEC 10 mg/l Fresh water	Daphnia - <i>Daphnia magna</i>	21 days
	Chronic NOEC ≥1000 mg/l Fresh water	Fish - <i>Oncorhynchus mykiss</i>	14 days
2,2' -oxybisethanol	Acute EC10 1 to 10 mg/l	Algae	72 hours
	Acute EC50 1 to 10 mg/l	Daphnia	48 hours
	Acute LC50 1 to 10 mg/l	Fish	96 hours
2-(2-butoxyethoxy)ethanol	Acute EC50 >10000 mg/l Fresh water	Daphnia - <i>Daphnia magna</i>	24 hours
	Acute EC50 >1995 mg/l Fresh water	Micro-organism	30 minutes
	Acute LC50 75200 mg/l	Fish - <i>Pimephales promelas</i>	96 hours
Alcohols, C12-14, ethoxylated	Acute NOEC >100 mg/l Fresh water	Algae - <i>Raphidocelis subcapitata</i>	72 hours
	Chronic LC50 >1500 mg/l Marine water	Fish - <i>Menidia peninsulae</i>	28 days
	Chronic NOEC 8590 mg/l Fresh water	Daphnia - <i>Ceriodaphnia dubia</i>	7 days
Alcohols, C12-15, branched and linear, ethoxylated	Acute EC10 >1995 mg/l Fresh water	Micro-organism	30 minutes
	Acute EC50 >100 mg/l Fresh water	Algae - <i>Desmodesmus subspicatus</i>	96 hours
	Acute EC50 >100 mg/l Fresh water	Daphnia - <i>Daphnia magna</i>	48 hours
Alcohols, C9-11-iso-, C10-rich, ethoxylated	Acute LC50 1300 mg/l Fresh water	Fish - <i>Lepomis macrochirus</i>	96 hours
	Acute EC50 1 to 10 mg/l Fresh water	Algae	72 hours
	Acute EC50 1 to 10 mg/l Fresh water	Daphnia	48 hours
dodecan-1-ol	Acute LC50 1 to 10 mg/l Fresh water	Fish	96 hours
	Chronic NOEC 0.1 to 1 mg/l Fresh water	Algae	-
	Acute EC50 >1 mg/l Fresh water	Algae	72 hours
tetradecanol	Acute EC50 >1 mg/l Fresh water	Daphnia	48 hours
	Acute LC50 >1 mg/l Fresh water	Fish	96 hours
	Chronic NOEC 0.1 to 1 mg/l Fresh water	Daphnia	-
	Acute EC50 10 to 100 mg/l	Algae	72 hours
	Acute EC50 10 to 100 mg/l	Daphnia	48 hours
	Acute LC50 10 to 100 mg/l	Fish	96 hours
	Acute EC50 0.66 mg/l Fresh water	Algae - <i>Desmodesmus subspicatus</i>	72 hours
	Acute EC50 0.765 mg/l Fresh water	Daphnia - <i>Daphnia magna</i>	48 hours
	Acute LC50 1.01 mg/l Fresh water	Fish - <i>Pimephales promelas</i>	96 hours
	Acute NOEC >10000 mg/l Fresh water	Micro-organism - <i>Pseudomonas putida</i>	0.5 hours
	Chronic EC10 0.013 mg/l Fresh water	Daphnia - <i>Daphnia magna</i>	21 days
	Acute EC50 >10 mg/l Fresh water	Algae - <i>Desmodesmus subspicatus</i>	96 hours
	Acute EC50 3.2 mg/l Fresh water	Daphnia - <i>Daphnia magna</i>	48 hours
	Acute LC50 >1 mg/l Fresh water	Fish - <i>Oncorhynchus mykiss</i>	96 hours
	Acute NOEC >10000 mg/l Fresh water	Micro-organism - <i>Pseudomonas putida</i>	30 minutes

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	Chronic EC10 0.0063 mg/l Fresh water Chronic NOEC >0.14 mg/l Fresh water	Daphnia - <i>Daphnia magna</i> Fish - <i>Pimephales promelas</i>	21 days 35 days
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Conclusion/Summary : Not available.

12.2 Persistence and degradability

Product/ingredient name	Test	Result	Dose	Inoculum
PELGRASSOL CP	OECD 302B Inherent	100 % - 3 days	-	-
Distillates (petroleum), hydrotreated heavy paraffinic	Biodegradability: Zahn-Wellens/ EMPA Test OECD 301F Ready	30 % - 28 days	-	-
2,2' -oxybisethanol	Biodegradability - Manometric Respirometry Test OECD 301B Ready	80 % - 28 days	-	-
2-(2-butoxyethoxy)ethanol	Biodegradability - CO ₂ Evolution Test OECD 301C Ready	85 % - 28 days	-	-
Alcohols, C12-14, ethoxylated	Biodegradability - Modified MITI Test (I) OECD 301D Ready	>60 % - 10 days	-	-
Alcohols, C12-15, branched and linear, ethoxylated	Biodegradability - Closed Bottle Test OECD 301D Ready	>60 % - 14 days	-	-
Alcohols, C9-11-iso-, C10-rich, ethoxylated dodecan-1-ol	Biodegradability - Closed Bottle Test OECD 301 A-F Ready	>60 % - 28 days	-	-
tetradecanol	Biodegradability - Closed Bottle Test OECD 301D Ready	87 % - 28 days	-	-
	Biodegradability - CO ₂ Evolution Test OECD 301B Ready	82 % - 28 days	-	-

Conclusion/Summary : Not available.

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
PELGRASSOL CP	-	-	Readily
Distillates (petroleum), hydrotreated heavy paraffinic	-	-	Inherent
Alcohols, C12-15, ethoxylated, sulfates, sodium salts	-	-	Readily
2,2' -oxybisethanol	-	50%; 0.72 day(s)	Readily
2-(2-butoxyethoxy)ethanol	-	50%; < 28 day(s)	Readily

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Alcohols, C12-14, ethoxylated	-	-	Readily
Alcohols, C12-15, branched and linear, ethoxylated	-	-	Readily
Alcohols, C9-11-iso-, C10-rich, ethoxylated	-	-	Readily
dodecan-1-ol	Fresh water 2.1 days, 12°C	-	Readily
tetradecanol	Fresh water 2.1 days, 12°C	-	Readily

BOD value: : 0.67 gO2/g (Period:5 days)
COD value: : 1.95 gO2/g

12.3 Bioaccumulative potential

Product/ingredient name	LogP _{ow}	BCF	Potential
2,2' -oxybisethanol	-1.98	100	Low
2-(2-butoxyethoxy)ethanol	1	-	Low
dodecan-1-ol	5.4	57	Low
tetradecanol	5.5	190 to 1000	High

12.4 Mobility in soil

Soil/water partition coefficient (K_{oc}) : Not available.
Mobility : Not available.

12.5 Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

12.6 Endocrine disrupting properties

Not available.

12.7 Other adverse effects

No known significant effects or critical hazards.

SECTION 13: Disposal considerations

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

13.1 Waste treatment methods

Product

- Methods of disposal : 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.
- Hazardous waste : The classification of the product may meet the criteria for a hazardous waste.
- Packaging
- Methods of disposal : The generation of waste should be avoided or minimized wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.
- Special precautions : 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.

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SECTION 14: Transport information

	ADR/RID	IMDG	IATA
14.1 UN number or ID number	Not regulated.	Not regulated.	Not regulated.
14.2 UN proper shipping name	-	-	-
14.3 Transport hazard class(es)	-	-	-
14.4 Packing group	-	-	-
14.5 Environmental hazards	No.	No.	No.

Additional information

14.6 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.

14.7 Maritime transport in bulk according to IMO instruments : Not available.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
EU Regulation (EC) No. 1907/2006 (REACH)

Annex XIV - List of substances subject to authorization
Annex XIV

None of the components are listed above the relevant limit.

Substances of very high concern

None of the components are listed above the relevant limit.

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles

Product/ingredient name	%	Designation [Usage]
PELGRASSOL CP	≥90	3
2-(2-butoxyethoxy)ethanol	≤10	55 [Consumer paint]

Labeling : Not applicable.

Other EU regulations

Industrial emissions (integrated pollution prevention and control) - Air : Not listed

Industrial emissions (integrated pollution prevention and control) - Water : Not listed

Explosive precursors : Not applicable.

Ozone depleting substances (1005/2009/EU)

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SECTION 15: Regulatory information

Not listed.

Prior Informed Consent (PIC) (649/2012/EU)

Not listed.

Persistent Organic Pollutants

Not listed.

Seveso Directive

This product is not controlled under the Seveso Directive.

National regulations

Storage class (TRGS 510) : 12

Hazardous incident ordinance

This product is not controlled under the Germany Hazardous Incident Ordinance.

Hazard class for water : 2

Technical instruction on air quality control (TA Luft)

Number [Class]	Description	%
5.2.1	Total dust	29.5
5.2.5	Organic substances	49.2
5.2.5 [I]	Organic substances	17
5.2.7.2	Poorly degradable, easily accumulating and highly toxic organic substances	1.5

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.

SECTION 16: Other information

Indicates information that has changed from previously issued version.

Abbreviations and acronyms

: ATE = Acute Toxicity Estimate
CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]
DMEL = Derived Minimal Effect Level
DNEL = Derived No Effect Level
EUH statement = CLP-specific Hazard statement
N/A = Not available
PBT = Persistent, Bioaccumulative and Toxic
PNEC = Predicted No Effect Concentration
RRN = REACH Registration Number
SGG = Segregation Group
vPvB = Very Persistent and Very Bioaccumulative

Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

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SECTION 16: Other information

Classification	Justification
Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 3, H412	Calculation method Calculation method Calculation method

Full text of abbreviated H statements

H302 H304 H315 H318 H319 H400 H410 H411 H412	Harmful if swallowed. May be fatal if swallowed and enters airways. Causes skin irritation. Causes serious eye damage. Causes serious eye irritation. Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects. Toxic to aquatic life with long lasting effects. Harmful to aquatic life with long lasting effects.
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Full text of classifications [CLP/GHS]

Acute Tox. 4 Aquatic Acute 1 Aquatic Chronic 1 Aquatic Chronic 2 Aquatic Chronic 3 Asp. Tox. 1 Eye Dam. 1 Eye Irrit. 2 Skin Irrit. 2	ACUTE TOXICITY - Category 4 AQUATIC HAZARD (ACUTE) - Category 1 AQUATIC HAZARD (LONG-TERM) - Category 1 AQUATIC HAZARD (LONG-TERM) - Category 2 AQUATIC HAZARD (LONG-TERM) - Category 3 ASPIRATION HAZARD - Category 1 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2 SKIN CORROSION/IRRITATION - Category 2
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Date of printing : 5/4/2024

Date of issue/ Date of revision : 5/4/2024

Date of previous issue : 9/3/2023

Version : 3.07

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