SAFETY DATA SHEET

Conforms to Regulation (EC) No. 1907/2006 (REACH)

NTN-SNR MOUNTING PASTE

Revision date : 2021-02-26 **Version 1**

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

1.1 Product identifier

Product name : LUB MOUNTING PASTE

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

Identified uses
Lubricating grease

1.3 Details of the supplier of the safety data sheet

NTN-SNR ROULEMENTS
1, rue des Usines - BP 2017
74000 ANNECY France

Tel: +33 (0)4 50 65 30 00
Fax: +33 (0)4 50 65 32 91

Contact
Person responsible for the SDS: Laboratory Service NTN-SNR Roulements
E-Mail address: fds@ntn-snr.fr

1.4 Emergency telephone number

National advisory body/Poison Centre

Telephone number : National Poisons Information Service (NPIS): 111
Emergency Tel. (Office hours) +33 (0)4 50 65 97 55
Emergency Tel. (France) ORFILA (INRS) +33 (0)1 45 42 59 59
Emergency Tel. (EU): 112 (Available 24 hours a day)

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]
Not classified.

The product is not classified as hazardous according to Regulation (EC) 1272/2008 as amended.

Ingredients of unknown toxicity : 4.2 percent of the mixture consists of component(s) of unknown acute oral toxicity
2.3 percent of the mixture consists of component(s) of unknown acute dermal toxicity

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

2.2 Label elements

Signal word : No signal word.

Hazard statements : No known significant effects or critical hazards.

Precautionary statements

Prevention : Not applicable.

Response : Not applicable.

Storage : Not applicable.

Disposal : Not applicable.

Supplemental label elements : Contains Reaction mass of 1H-Benzotriazole-1-methanamine, N,N-bis(2-ethylhexyl) -6-methyl- and 2H-Benzotriazole-2-methanamine, N,N-bis(2-ethylhexyl)-5-methyl- and N,N-bis(2-ethylhexyl)-4-methyl-1H-benzotriazole-1-methylamine and 2H-Benzotriazole-2-methanamine, N,N-bis(2-ethylhexyl)-4-methyl- and N,N-bis (2-ethylhexyl)-5-methyl-1H-benzotriazole-1-methylamine. May produce an allergic reaction. Safety data sheet available on request.

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

2.3 Other hazards

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 : Prolonged or repeated contact may dry skin and cause irritation.

SECTION 3: Composition/information on ingredients

3.2 Mixtures : Mixture

Product/ingredient name	Identifiers	%	Regulation (EC) No. 1272/2008 [CLP]	Type
Lubricating oils (petroleum), C>25, solvent-extd., deasphalted, dewaxed, hydrogenated	REACH #: 01-2119486948-13 EC: 309-874-0 CAS: 101316-69-2	≤3	Acute Tox. 4, H332	[1]
calcium bis(di C8-C10, branched, C9 rich, alkylnaphthalenesulphonate)	REACH #: 01-2119980985-16 EC: 939-717-7	≤3	Skin Irrit. 2, H315 Eye Irrit. 2, H319	[1]
Reaction mass of 1H-Benzotriazole-1-methanamine, N, N-bis(2-ethylhexyl)-6-methyl- and 2H-Benzotriazole-2-methanamine, N,N-bis(2-ethylhexyl)-5-methyl- and N,N-bis(2-ethylhexyl) -4-methyl-1H-benzotriazole-1-methylamine and 2H-Benzotriazole-2-methanamine, N, N-bis(2-ethylhexyl)-4-methyl- and N,N-bis(2-ethylhexyl)-5-methyl-1H-benzotriazole-1-methylamine	REACH #: 01-2119982395-25 EC: 939-700-4	≤0.3	Skin Irrit. 2, H315 Skin Sens. 1B, H317 Aquatic Acute 1, H400 (M=1) Aquatic Chronic 2, H411	[1]

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

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

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

[1] Substance classified with a health or environmental hazard
[2] Substance with a workplace exposure limit
[3] Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII
[4] Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII
[5] Substance of equivalent concern
[6] Additional disclosure due to company policy

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

SECTION 4: First aid measures

4.1 Description of first aid measures

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.

Inhalation : Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.

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

Ingestion : Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

Protection of first-aiders : No action shall be taken involving any personal risk or without suitable training.

4.2 Most important symptoms and effects, both acute and delayed

Over-exposure signs/symptoms

Eye contact : No specific data.

Inhalation : No specific data.

Skin contact : Adverse symptoms may include the following:
irritation
dryness
cracking

Ingestion : No specific data.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

Specific treatments : No specific treatment.

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SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media : Use dry chemical, CO_2, water spray (fog) or foam.

Unsuitable extinguishing media : Do not use water jet.

5.2 Special hazards arising from the substance or mixture

Hazards from the substance or mixture : No specific fire or explosion hazard.

Hazardous combustion products : Decomposition products may include the following materials:
carbon dioxide
carbon monoxide
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 spilt material. Put on appropriate personal protective equipment.

For emergency responders : If specialised 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 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).

6.3 Methods and material for containment and cleaning up

Small spill : Move containers from spill area. Vacuum or sweep up material and place in a designated, labelled waste container. Dispose of via a licensed waste disposal contractor.

Large spill : Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Vacuum or sweep up material and place in a designated, labelled waste container. Dispose of via a licensed waste disposal contractor.

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

7.1 Precautions for safe handling

Protective measures : Put on appropriate personal protective equipment (see Section 8).

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

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 unlabelled 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

8.1 Control parameters

Occupational exposure limits

No exposure limit value known.

Reportable hazardous constituent(s) contained in UVCB- and/or multi-constituent substance(s) complying with the classification criteria and/or with an exposure limit (OEL)

No exposure limit value known.

Recommended monitoring procedures : If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. 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.

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)

DNELs/DMELs

Product/substance	Type	Exposure	Value	Population	Effects
Lubricating oils (petroleum), C>25, solvent-extd., deasphalted, dewaxed, hydrogenated	DNEL	Long term Inhalation	2.73 mg/m³	Workers	Systemic
	DNEL	Long term Inhalation	5.58 mg/m³	Workers	Local
	DNEL	Long term Dermal	0.97 mg/kg bw/day	Workers	Systemic
	DNEL	Long term Oral	0.74 mg/kg bw/day	General population	Systemic
calcium bis(di C8-C10, branched, C9 rich, alkylnaphthalenesulphonate)	DNEL	Long term Inhalation	70 mg/m³	Workers	Systemic
	DNEL	Long term Dermal	10 mg/kg bw/day	Workers	Systemic
Reaction mass of 1H-Benzotriazole-1-methanamine, N,N-bis (2-ethylhexyl)-6-methyl- and 2H-Benzotriazole-2-methanamine, N,N-bis(2-ethylhexyl)-5-methyl- and N,N-bis(2-ethylhexyl)-4-methyl-1H-benzotriazole-1-methylamine and 2H-Benzotriazole-2-methanamine, N,N-bis(2-ethylhexyl)-4-methyl- and N,N-bis(2-ethylhexyl)-5-methyl-1H-benzotriazole-1-methylamine	DNEL	Long term Inhalation	1.3 mg/m³	Workers	Systemic
	DNEL	Long term Dermal	0.4 mg/kg bw/day	Workers	Systemic
	DNEL	Long term Inhalation	0.3 mg/m³	General population	Systemic
	DNEL	Long term Dermal	0.2 mg/kg bw/day	General population	Systemic
	DNEL	Long term Oral	0.2 mg/kg bw/day	General population	Systemic

PNECs

Product/ingredient name	Compartment Detail	Name	Method Detail
calcium bis(di C8-C10, branched, C9 rich, alkylnaphthalenesulphonate)	Secondary Poisoning	22.2 mg/kg	-
	Fresh water sediment	69 mg/kg	-
	Marine water sediment	6.9 mg/kg	-
	Soil	13.9 mg/kg	-
	Sewage Treatment Plant	10 mg/l	-
	Fresh water	0.004 mg/l	-
	Marine water	0.0004 mg/l	-
Reaction mass of 1H-Benzotriazole-1-methanamine, N,N-bis(2-ethylhexyl) -6-methyl- and 2H-Benzotriazole-2-methanamine, N,N-bis(2-ethylhexyl) -5-methyl- and N,N-bis(2-ethylhexyl) -4-methyl-1H-benzotriazole-1-methylamine and 2H-Benzotriazole-2-methanamine, N,N-bis(2-ethylhexyl)-4-methyl- and N,N-bis (2-ethylhexyl)-5-methyl-1H-benzotriazole-1-methylamine	Fresh water	0.000976 mg/l	-
	Marine water	0.0000976 mg/l	-
	Sewage Treatment	0.69 mg/l	-

	Plant		

8.2 Exposure controls

Appropriate engineering controls : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

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: safety glasses with side-shields.

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.
Hydrocarbon-proof gloves
nitrile rubber
Fluorinated 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 EN 420 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

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. Respirator with combination filter for vapour/particulate Type A/P1 Warning ! filters have a limited use duration The use of breathing apparatus must comply strictly with the manufacturer's instructions and the regulations governing their choices and uses None under normal use conditions

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.

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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state	**:** Solid.
Colour	**:** Brown.
Odour	**:** Characteristic.
Odour threshold	**:** Not available.
pH	**:** Not applicable.
Melting point/freezing point	**:** Not available.
Initial boiling point and boiling range	**:** Not available.
Flash point	**:** Open cup: Not applicable.
Evaporation rate	**:** Not available.
Flammability (solid, gas)	**:** Not available.
Upper/lower flammability or explosive limits	**:** Not available.
Vapour pressure	**:** Not available.
Vapour density	**:** Not available.
Relative density	**:** 0.9
Solubility(ies)	**:** Insoluble in the following materials: cold water and hot water.
Partition coefficient: n-octanol/ water	**:** Not available.
Auto-ignition temperature	**:** Not available.
Decomposition temperature	**:** Not available.
Viscosity	**:** Kinematic (40°C): Not applicable.
Explosive properties	**:** Not available.
Oxidising properties	**:** Not applicable

9.2 Other information

Solubility in water	**:** Insoluble

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	**:** Strong oxidising agents
10.6 Hazardous decomposition products	**:** Under normal conditions of storage and use, hazardous decomposition products should not be produced.

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SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Product/substance	Result	Species	Dose	Exposure	Test
Lubricating oils (petroleum), C>25, solvent-extd., deasphalted, dewaxed, hydrogenated	LC50 Inhalation Dusts and mists	Rat - Male, Female	2.18 mg/l	4 hours	OECD 403
	LD50 Dermal	Rabbit - Male, Female	>2000 mg/kg	-	OECD 402
	LD50 Oral	Rat - Male, Female	>5000 mg/kg	-	OECD 401
calcium bis(di C8-C10, branched, C9 rich, alkylnaphthalenesulphonate)	LC50 Inhalation Dusts and mists	Rat	>9000 mg/l	1 hours	-
	LD50 Dermal	Rabbit	>10000 mg/kg	-	-
	LD50 Oral	Rat	>2500 mg/kg	-	-
Reaction mass of 1H-Benzotriazole-1-methanamine, N,N-bis (2-ethylhexyl)-6-methyl- and 2H-Benzotriazole-2-methanamine, N,N-bis (2-ethylhexyl)-5-methyl- and N,N-bis(2-ethylhexyl) -4-methyl-1H-benzotriazole-1-methylamine and 2H-Benzotriazole-2-methanamine, N,N-bis (2-ethylhexyl)-4-methyl- and N,N-bis(2-ethylhexyl) -5-methyl-1H-benzotriazole-1-methylamine	LD50 Dermal	Rat	>2000 mg/kg	-	-
	LD50 Oral	Rat	3313 mg/kg	-	-

Conclusion/Summary **:** Based on available data, the classification criteria are not met.

Acute toxicity estimates

Product/substance	Oral (mg/kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapours) (mg/l)	Inhalation (dusts and mists) (mg/l)
MOUNTING PASTE	N/A	N/A	N/A	N/A	93.6
Lubricating oils (petroleum), C>25, solvent-extd., deasphalted, dewaxed, hydrogenated	N/A	N/A	N/A	N/A	2.18
Reaction mass of 1H-Benzotriazole-1-methanamine, N,N-bis(2-ethylhexyl)-6-methyl- and 2H-Benzotriazole-2-methanamine, N,N-bis (2-ethylhexyl)-5-methyl- and N,N-bis(2-ethylhexyl) -4-methyl-1H-benzotriazole-1-methylamine and 2H-Benzotriazole-2-methanamine, N,N-bis (2-ethylhexyl)-4-methyl- and N,N-bis(2-ethylhexyl) -5-methyl-1H-benzotriazole-1-methylamine	3313	N/A	N/A	N/A	N/A

Irritation/Corrosion

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Product/substance	Result	Species	Score	Exposure	Test
Lubricating oils (petroleum), C>25, solvent-extd., deasphalted, dewaxed, hydrogenated	Skin - Primary dermal irritation index (PDII)	Rabbit	0.6	24 hours	-

Conclusion/Summary

Conclusion/Summary : Based on available data, the classification criteria are not met.

Sensitisation

Product/substance	Route of exposure	Species	Result
Lubricating oils (petroleum), C>25, solvent-extd., deasphalted, dewaxed, hydrogenated	skin	Guinea pig	Not sensitizing

Conclusion/Summary :

Conclusion/Summary : Based on available data, the classification criteria are not met.

Mutagenicity

Conclusion/Summary : Based on available data, the classification criteria are not met.

Carcinogenicity

Conclusion/Summary : Based on available data, the classification criteria are not met.

Reproductive toxicity

Conclusion/Summary : Based on available data, the classification criteria are not met.

Teratogenicity

Conclusion/Summary : Based on available data, the classification criteria are not met.

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Not available.

Information on likely routes of exposure : Not available.

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 : No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact : No specific data.

Inhalation : No specific data.

Skin contact : Adverse symptoms may include the following:
irritation
dryness
cracking

Ingestion : No specific data.

Delayed and immediate effects as well as 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/substance	Result	Species	Dose	Exposure
Lubricating oils (petroleum), C>25, solvent-extd., deasphalted, dewaxed, hydrogenated	Sub-chronic NOAEL Oral	Rat - Male	125 mg/kg	-

Conclusion/Summary : Not available.

General : Prolonged or repeated contact can defat the skin and lead to irritation, cracking and/or dermatitis.

Carcinogenicity : No known significant effects or critical hazards.

Mutagenicity : No known significant effects or critical hazards.

Teratogenicity : No known significant effects or critical hazards.

Developmental effects : No known significant effects or critical hazards.

Fertility effects : No known significant effects or critical hazards.

Other information : Not available.

SECTION 12: Ecological information

12.1 Toxicity

Product/substance	Result	Species	Exposure	Test
Lubricating oils (petroleum), C>25, solvent-extd., deasphalted, dewaxed, hydrogenated	Acute LC50 >10000 mg/l	Daphnia - Gammarus pulex	24 hours	OECD 202
	Acute LC50 >10000 mg/l	Daphnia - Gammarus pulex	48 hours	OECD 202
	Acute LC50 >10000 mg/l	Daphnia - Gammarus pulex	72 hours	OECD 202
	Acute LC50 >10000 mg/l	Daphnia - Gammarus pulex	96 hours	OECD 202
	Acute NOEL 101 mg/l	Algae - Pseudokirchnerella subcapitata-	72 hours	OECD 201
	Acute NOEL ≥10000 mg/l	Daphnia - Gammarus	96 hours	OECD 202

		pulex		
	Acute NOEL ≥100 mg/l	Fish - Pimephales promelas	96 hours	OECD 203
Reaction mass of 1H-Benzotriazole-1-methanamine, N,N-bis (2-ethylhexyl)-6-methyl- and 2H-Benzotriazole-2-methanamine, N,N-bis (2-ethylhexyl)-5-methyl- and N,N-bis(2-ethylhexyl) -4-methyl-1H-benzotriazole-1-methylamine and 2H-Benzotriazole-2-methanamine, N,N-bis (2-ethylhexyl)-4-methyl- and N,N-bis(2-ethylhexyl) -5-methyl-1H-benzotriazole-1-methylamine	Acute EC10 0.658 mg/l	Algae - Desmodesmus subspicatus	72 hours	201
	Acute EC10 1.92 mg/l	Daphnia - Daphnia Magna	48 hours	202
	Acute EC50 0.976 mg/l	Algae - Desmodesmus subspicatus	72 hours	201
	Acute EC50 2.05 mg/l	Daphnia - Daphnia Magna	48 hours	202
	Acute LC50 1.3 mg/l	Fish - Brachydanio rerio	96 hours	203

12.2 Persistence and degradability

Conclusion/Summary **:** Not available.

Product/substance	Aquatic half-life	Photolysis	Biodegradability
Lubricating oils (petroleum), C>25, solvent-extd., deasphalted, dewaxed, hydrogenated	-	-	Not readily
calcium bis(di C8-C10, branched, C9 rich, alkylnaphthalenesulphonate)	-	-	Readily
Reaction mass of 1H-Benzotriazole-1-methanamine, N,N-bis (2-ethylhexyl)-6-methyl- and 2H-Benzotriazole-2-methanamine, N,N-bis (2-ethylhexyl)-5-methyl- and N,N-bis(2-ethylhexyl) -4-methyl-1H-benzotriazole-1-methylamine and 2H-Benzotriazole-2-methanamine, N,N-bis (2-ethylhexyl)-4-methyl- and N,N-bis(2-ethylhexyl) -5-methyl-1H-benzotriazole-1-methylamine	-	-	Inherent

12.3 Bioaccumulative potential

Product/substance	$LogK_{ow}$	BCF	Potential
calcium bis(di C8-C10, branched, C9 rich, alkylnaphthalenesulphonate)	6.6	-	high

12.4 Mobility in soil

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

Mobility : Not available.

Mobility in soil : Given its physical and chemical characteristics, the product has no soil mobility. The product is insoluble and floats on water. Loss by evaporation is limited

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 Other adverse effects : No known significant effects or critical hazards.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Methods of disposal : The generation of waste should be avoided or minimised 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 : Yes.

According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user based on the application for which the product was used The following Waste Codes are only suggestions: 12 01 12*

Packaging

Methods of disposal : The generation of waste should be avoided or minimised 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. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14: Transport information

	ADR/RID	ADN	IMDG	ICAO/IATA
14.1 UN number	Not regulated.	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.	No.

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 Transport in bulk according to Annex II of Marpol and the IBC Code : 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 authorisation

Annex XIV

None of the components are listed.

Substances of very high concern

None of the components are listed.

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

Ozone depleting substances (1005/2009/EU)

Not listed.

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

Not listed.

Seveso Directive

This product is not controlled under the Seveso Directive.

National regulations

International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

Montreal Protocol (Annexes A, B, C, E)

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	: Not determined.
Canada	: Not determined.
China	: All components are listed or exempted.
Europe	: All components are listed or exempted.
Japan	: **Japan inventory (ENCS)**: Not determined. **Japan inventory (ISHL)**: Not determined.
New Zealand	: Not determined.
Philippines	: Not determined.
Republic of Korea	: At least one component is not listed.
Taiwan	: All components are listed or exempted.
Thailand	: Not determined.
Turkey	: Not determined.
United States	: Not determined.
Viet Nam	: Not determined.

15.2 Chemical safety assessment : This product contains substances for which Chemical Safety Assessments are still required.

SECTION 16: Other information

Indicates information that has changed from previously issued version.

Value : 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

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RRN = REACH Registration Number
vPvB = Very Persistent and Very Bioaccumulative

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

Classification	Justification
Not classified.	

Full text of abbreviated H statements

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H400	Very toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.

Full text of classifications [CLP/GHS]

Acute Tox. 4, H332	ACUTE TOXICITY (inhalation) - Category 4
Aquatic Acute 1, H400	SHORT-TERM (ACUTE) AQUATIC HAZARD - Category 1
Aquatic Chronic 2, H411	LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 2
Eye Irrit. 2, H319	SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2
Skin Irrit. 2, H315	SKIN CORROSION/IRRITATION - Category 2
Skin Sens. 1B, H317	SKIN SENSITISATION - Category 1B

Date of revision : 2/26/2021

Date of previous revision : No previous validation

Version : 1

Notice to reader

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.