

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended



GREASE perfect

WM 0712574

Order number: 0712574

Version 6.1

Revision Date 21.01.2026

Print Date 11.03.2026

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

1.1 Product identifier

Trade name : GREASE perfect
UFI : 4GU3-V0G3-600T-UKJM

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

Use of the Substance/Mixture : Cleaning agent
Restricted to professional users.

1.3 Details of the supplier of the safety data sheet

Company : Tana Chemie GmbH
Rheinallee 96
55120 Mainz
Telephone : +49613196403
Telefax : +4961319642526
E-mail address : Produktsicherheit@werner-mertz.com
Responsible/issuing person
Contact person : Product development / product safety

1.4 Emergency telephone

EU: 112

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Eye irritation, Category 2 H319: Causes serious eye irritation.

2.2 Label elements

Labeling (REGULATION (EC) No 1272/2008)

Hazard pictograms :



Signal Word : Warning

Hazard Statements : H319 Causes serious eye irritation.

Precautionary Statements : P102 Keep out of reach of children.

Prevention:

P260 Do not breathe spray.
P264 Wash skin thoroughly after handling.
P280 Wear protective gloves/ eye protection/ face protection.

Response:

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended



GREASE perfect

WM 0712574

Order number: 0712574

Version 6.1

Revision Date 21.01.2026

Print Date 11.03.2026

P337 + P313 present and easy to do. Continue rinsing.
If eye irritation persists: Get medical advice/
attention.

Disposal:
P501 Dispose of container into the collection of
recyclables only when it is completely empty.

Safety data sheet available on request.

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Chemical nature : Aqueous surfactant solution.

Components

| Chemical name | CAS-No. EC-No. Index-No. Registration number | Classification | Concentration (% w/w) |
|---------------------------|---|--|--------------------------|
| 2,2'-methyliminodiethanol | 105-59-9 203-312-7 603-079-00-5 01-2119488970-24 | Eye Irrit. 2; H319 | >= 3 - < 5 |
| Octan-1-ol, ethoxylated | 27252-75-1 500-058-1 | Eye Irrit. 2; H319 | >= 1 - < 3 |
| ethanol | 64-17-5 200-578-6 603-002-00-5 01-2119457610-43 | Flam. Liq. 2; H225 Eye Irrit. 2; H319 <hr/> specific concentration limit Eye Irrit. 2; H319 >= 50 % | >= 1 - < 3 |

GREASE perfect

WM 0712574

Order number: 0712574

Version 6.1

Revision Date 21.01.2026

Print Date 11.03.2026

SECTION 4: First aid measures

4.1 Description of first-aid measures

- General advice : Move out of dangerous area.
Consult a physician.
Show this material safety data sheet to the doctor in attendance.
- If inhaled : Move to fresh air.
If symptoms persist, call a physician.
- In case of skin contact : Take off contaminated clothing and shoes immediately.
Wash off with soap and plenty of water.
If symptoms persist, call a physician.
- In case of eye contact : Protect unharmed eye.
If easy to do, remove contact lens, if worn.
Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
If eye irritation persists, consult a specialist.
- If swallowed : Clean mouth with water and drink afterwards plenty of water.
Do not give milk or alcoholic beverages.
Never give anything by mouth to an unconscious person.
Obtain medical attention.

4.2 Most important symptoms and effects, both acute and delayed

- Symptoms : Irritation
- Risks : No information available.

4.3 Indication of any immediate medical attention and special treatment needed

- Treatment : For specialist advice physicians should contact the Poisons Information Service.

SECTION 5: Firefighting measures

5.1 Extinguishing media

- Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

5.2 Special hazards arising from the substance or mixture

- Specific hazards during fire fighting : Do not allow run-off from fire fighting to enter drains or water courses.
- Hazardous combustion products : No hazardous combustion products are known

5.3 Advice for firefighters

- Special protective equipment for fire-fighters : In the event of fire, wear self-contained breathing apparatus.
- Further information : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

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WM 0712574

Order number: 0712574

Version 6.1

Revision Date 21.01.2026

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SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Use personal protective equipment.
Ensure adequate ventilation.

6.2 Environmental precautions

Environmental precautions : Try to prevent the material from entering drains or water courses.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Neutralize with acid.
Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).
Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

For personal protection see section 8., Treat recovered material as described in the section "Disposal considerations"., Refer to section 15 for specific national regulation.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling : Avoid contact with skin and eyes.
For personal protection see section 8.
Smoking, eating and drinking should be prohibited in the application area.

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice. When using do not eat or drink. When using do not smoke.
Wash hands before breaks and at the end of workday.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Store in original container. Keep container tightly closed in a dry and well-ventilated place. Store at room temperature in the original container.

Further information on storage stability : No decomposition if stored and applied as directed.

7.3 Specific end use(s)

Specific use(s) : Cleaning agent

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WM 0712574

Order number: 0712574

Version 6.1

Revision Date 21.01.2026

Print Date 11.03.2026

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Contains no substances with occupational exposure limit values.

Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

| Substance name | End Use | Routes of exposure | Potential health effects | Value |
|---------------------------|--|--------------------|----------------------------|------------------------|
| 2,2'-methyliminodiethanol | Workers | Inhalation | Long-term systemic effects | 7,9 mg/m ³ |
| | Workers | Dermal | Long-term systemic effects | 5,6 mg/kg |
| | Consumers | Inhalation | Long-term systemic effects | 0,4 mg/m ³ |
| | Consumers | Dermal | Long-term systemic effects | 0,67 mg/kg |
| | Consumers | Oral | Long-term systemic effects | 0,13 mg/kg |
| ethanol | Workers | Inhalation | Acute local effects | 1900 mg/m ³ |
| | Workers | Inhalation | Long-term systemic effects | 950 mg/m ³ |
| | Workers | Skin contact | Long-term systemic effects | 343 mg/kg |
| | Consumers | Inhalation | Acute local effects | 950 mg/m ³ |
| | Consumers | Skin contact | Long-term systemic effects | 206 mg/kg |
| | Consumers | Inhalation | Long-term systemic effects | 114 mg/m ³ |
| | Consumers | Ingestion | Long-term systemic effects | 87 mg/kg |
| | Consumers | Skin contact | Acute local effects | 950 mg/m ³ |
| | tetrasodium N,N-bis(carboxylatomethyl)-L-glutamate | Workers | Inhalation | Acute systemic effects |
| Workers | | Inhalation | Acute local effects | 55 mg/m ³ |
| Workers | | Skin contact | Long-term systemic effects | 15000 mg/kg |

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended



Werner & Mertz
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GREASE perfect

WM 0712574

Order number: 0712574

Version 6.1

Revision Date 21.01.2026

Print Date 11.03.2026

| | | | | |
|--|-----------|--------------|----------------------------|-----------------------|
| | Workers | Inhalation | Long-term systemic effects | 7,3 mg/m ³ |
| | Consumers | Skin contact | Long-term systemic effects | 7500 mg/kg |
| | Consumers | Inhalation | Long-term systemic effects | 1,8 mg/m ³ |
| | Consumers | Ingestion | Long-term systemic effects | 1,5 mg/kg |

Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:

| Substance name | Environmental Compartment | Value |
|--|---------------------------|-------------|
| 2,2'-methyliminodiethanol | Fresh water | 1 mg/l |
| | Sea water | 0,0045 mg/l |
| | Fresh water | 0,278 mg/l |
| | Sea water | 0,0278 mg/l |
| | Intermittent use/release | 1 mg/l |
| | Fresh water sediment | 2,17 mg/kg |
| | Sea sediment | 0,217 mg/kg |
| ethanol | Soil | 0,27 mg/kg |
| | STP | 10 mg/l |
| | Fresh water | 0,96 mg/l |
| | Sea water | 0,79 mg/l |
| | Fresh water sediment | 3,6 mg/kg |
| tetrasodium N,N-bis(carboxylatomethyl)-L-glutamate | Soil | 0,63 mg/kg |
| | STP | 580 mg/l |
| | intermittent release | 2,75 mg/l |
| | Fresh water | > 2 mg/l |
| | Sea water | > 0,2 mg/l |
| | intermittent release | > 1 mg/l |
| | STP | > 41,2 mg/l |

GREASE perfect

WM 0712574

Order number: 0712574

Version 6.1

Revision Date 21.01.2026

Print Date 11.03.2026

| | | |
|--|------|----------|
| | Oral | 67 mg/kg |
|--|------|----------|

8.2 Exposure controls

Personal protective equipment

Eye/face protection : If splashes are likely to occur, wear:

Tightly fitting safety goggles

Hand protection

Material : For prolonged or repeated contact use protective gloves.

It is suggested the usage of chemical resistant gloves made of butyl rubber or nitrile rubber category III according to EN 374.

As alternative, a different type of gloves might be used if, accordingly to the recommendations of the producer, guarantee the same level of protection.

Remarks : Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact).

Skin and body protection : not required under normal use

Respiratory protection : Not required; except in case of aerosol formation.

Recommended Filter type:

ABEK-P3-filter

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state : liquid

Color : yellow, clear

Odor : characteristic

Melting point/freezing point : No data available

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WM 0712574

Order number: 0712574

Version 6.1

Revision Date 21.01.2026

Print Date 11.03.2026

| | |
|--|--|
| Boiling point/boiling range | : No data available |
| Flammability (solid, gas) | : No data available |
| Flammability (liquids) | : No data available |
| Lower explosion limit | : No data available |
| Upper explosion limit | : No data available |
| Flash point | : does not flash |
| Ignition temperature | : No data available |
| Decomposition temperature | : No data available |
| pH | : ca. 11,2, 100 % at 20 °C |
| Viscosity, dynamic | : No data available |
| Viscosity, kinematic | : No data available |
| Water solubility | : soluble |
| Solubility in other solvents | : No data available |
| Partition coefficient: n- octanol/water | : No data available |
| Vapor pressure | : No data available |
| Density | : ca. 1,010 g/cm ³ at 20 °C |
| Relative density | : No data available |
| Relative vapor density | : No data available |
| Particle characteristics | : No data available |

9.2 Other information

none

SECTION 10: Stability and reactivity

10.1 Reactivity

Stable under recommended storage conditions.
No dangerous reaction known under conditions of normal use.

10.2 Chemical stability

No decomposition if stored and applied as directed.

10.3 Possibility of hazardous reactions

Hazardous reactions : Stable under recommended storage conditions.
No decomposition if used as directed.

10.4 Conditions to avoid

Conditions to avoid : No data available

10.5 Incompatible materials

Materials to avoid : No data available

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WM 0712574

Order number: 0712574

Version 6.1

Revision Date 21.01.2026

Print Date 11.03.2026

10.6 Hazardous decomposition products

No hazardous decomposition products are known.

SECTION 11: Toxicological information

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

Our company is strongly against animal testing.

Our company does not place any orders for animal testing for the finished product or the ingredients.

However, as a result of EU legislation (REACH Regulation), the manufacturers of ingredients or EU importers are obliged to test ingredients with regard to their effects on human health and the environment before they are brought onto the market. Some of the tests made necessary by this took place decades ago.

Acute toxicity

Acute toxicity : Not Rated

Components:

2,2'-methyliminodiethanol

105-59-9:

Acute oral toxicity : LD50 (Rat): 4.680 mg/kg
Method: OECD Test Guideline 401

Acute dermal toxicity : LD50 (Rabbit): > 2.000 mg/kg
Method: OECD Test Guideline 402

LD50 (Rabbit): 5.990 mg/kg

Octan-1-ol, ethoxylated

27252-75-1:

Acute oral toxicity : LD50 Oral: > 2.000 mg/kg
LD50: > 2.000 - < 5.000 mg/kg

ethanol

64-17-5:

Acute oral toxicity : LD50 Oral (Rat): 10.470 mg/kg
Method: OECD Test Guideline 401

LD50 (Rat): 5.000 mg/kg
Method: OECD Test Guideline 401

Acute inhalation toxicity : LC50 (Rat): 51 mg/l
Exposure time: 4 h

Acute dermal toxicity : LD50 Dermal (Rabbit): > 2.000 mg/kg
Method: OECD Test Guideline 402

LD50 Dermal (Rabbit): > 10.000 mg/kg
Method: OECD Test Guideline 402

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended



Werner & Mertz
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GREASE perfect

WM 0712574

Order number: 0712574

Version 6.1

Revision Date 21.01.2026

Print Date 11.03.2026

Skin corrosion/irritation

Product:

Remarks : According to the classification criteria of the European Union, the product is not considered as being a skin irritant.

Components:

2,2'-methyliminodiethanol

105-59-9:

Species : Rabbit
Method : OECD Test Guideline 404
Result : No skin irritation

ethanol

64-17-5:

Species : Rabbit
Method : OECD Test Guideline 404
Result : No skin irritation

Serious eye damage/eye irritation

Product:

Remarks : Causes serious eye irritation.

Components:

2,2'-methyliminodiethanol

105-59-9:

Species : Rabbit
Method : OECD Test Guideline 405
Result : Irritating to eyes.

ethanol

64-17-5:

Species : Rabbit
Method : OECD Test Guideline 405
Result : Mild eye irritation

Respiratory or skin sensitization

Product:

Remarks : No data available

Components:

2,2'-methyliminodiethanol

105-59-9:

Species : Guinea pig
Method : OECD Test Guideline 406
Result : Does not cause skin sensitization.

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WM 0712574

Order number: 0712574

Version 6.1

Revision Date 21.01.2026

Print Date 11.03.2026

ethanol

64-17-5:

- Result : Not a skin sensitizer.
- Germ cell mutagenicity : Not Rated
- Carcinogenicity : Not Rated
- Reproductive toxicity : Not Rated
- STOT-single exposure : The substance or mixture is not classified as specific target organ toxicant, single exposure.
- STOT-repeated exposure : The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

Repeated dose toxicity

Components:

ethanol

64-17-5:

- Species : Rat, male
NOAEL : > 20 mg/kg
Method : OECD Test Guideline 403
- Species : Rat, female
NOAEL : 1.730 mg/kg
Method : OECD Test Guideline 408
- Aspiration toxicity : Not Rated

11.2 Information on other hazards

Endocrine disrupting properties

Product:

- Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Further information

Product:

- Remarks : No data available

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WM 0712574

Order number: 0712574

Version 6.1

Revision Date 21.01.2026

Print Date 11.03.2026

SECTION 12: Ecological information

12.1 Toxicity

Components:

2,2'-methyliminodiethanol

105-59-9:

- Toxicity to fish : (Leuciscus idus (Golden orfe)): 1.466 mg/l
Exposure time: 96 h
Test Type: static test
- Toxicity to daphnia and other aquatic invertebrates : (Daphnia magna (Water flea)): 233 mg/l
Exposure time: 48 h
Test Type: static test
Method: Directive 67/548/EEC, Annex V, C.2.
- Toxicity to algae/aquatic plants : NOEC (Desmodesmus subspicatus (green algae)): 6,25 mg/l
Exposure time: 72 h

EC50 (Desmodesmus subspicatus (green algae)): > 100 mg/l
Exposure time: 72 h
- Toxicity to microorganisms : EC20 (activated sludge): > 1.000 mg/l
Exposure time: 0,5 h
Method: OECD Test Guideline 209

Octan-1-ol, ethoxylated, Octan-1-ol, ethoxylated (4 EO)

27252-75-1:

- Toxicity to fish : LC50 (Fish): 10 - 100 mg/l
Test Type: semi-static test
Method: ISO 7346/2
- Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 10 - < 100 mg/l
Exposure time: 24 h
Method: OECD Test Guideline 202
- Toxicity to microorganisms : (Bacteria): > 100 mg/l
Method: OECD Test Guideline 209

EC0 (Pseudomonas putida): > 100 mg/l
Method: OECD Test Guideline 209
- Toxicity to fish (Chronic toxicity) : NOEC: > 1 mg/l

ethanol

64-17-5:

- Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 13 g/l
Exposure time: 96 h
Method: OECD Test Guideline 203

LC50 (Leuciscus idus (Golden orfe)): 8.150 mg/l
Exposure time: 48 h

LC50 (Pimephales promelas (fathead minnow)): > 0,1 g/l
Exposure time: 96 h

LC50 (Fish): 11.200 mg/l

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended



Werner & Mertz
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WM 0712574

Order number: 0712574

Version 6.1

Revision Date 21.01.2026

Print Date 11.03.2026

- Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 12.340 mg/l
Exposure time: 48 h
EC50 : 5.012 mg/l
- Toxicity to algae/aquatic plants : EC50 (Chlorella vulgaris (Fresh water algae)): 275 mg/l
Exposure time: 72 h
Test Type: Growth inhibition
Method: OECD Test Guideline 201
EC50 (Scenedesmus capricornutum (fresh water algae)): 12.900 mg/l
Exposure time: 48 h
Test Type: Growth inhibition
Method: No information available.
EC0 (Scenedesmus quadricauda (Green algae)): 5.000 mg/l
Exposure time: 168 h
EC50 : 4.432 mg/l
EC10 : 11,5 mg/l
EC10 : 280 mg/l
- Toxicity to microorganisms : EC50 (Pseudomonas putida): 11.800 mg/l
Exposure time: 16 h
Test Type: Cell multiplication inhibition test

12.2 Persistence and degradability

Product:

- Biodegradability : Remarks: The surfactant(s) contained in this preparation complies (comply) with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents.

Components:

2,2'-methyliminodiethanol

105-59-9:

- Biodegradability : Result: rapidly biodegradable
Biodegradation: 96 %
Exposure time: 18 d
Method: OECD 301 A

Octan-1-ol, ethoxylated, Octan-1-ol, ethoxylated (4 EO)

27252-75-1:

- Biodegradability : Result: rapidly biodegradable

ethanol

64-17-5:

- Biodegradability : Result: Readily biodegradable.
Biodegradation: 97 %
Method: OECD Test Guideline 301

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WM 0712574

Order number: 0712574

Version 6.1

Revision Date 21.01.2026

Print Date 11.03.2026

12.3 Bioaccumulative potential

Components:

ethanol

64-17-5:

Bioaccumulation : Concentration: 3,2 mg/l

Partition coefficient: n-octanol/water : log Pow: -0,32

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

Product:

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Endocrine disrupting properties

Product:

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Components:

27252-75-1:

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

12.7 Other adverse effects

Product:

Additional ecological information : There is no data available for this product.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product : Do not dispose of waste into sewer.
Do not contaminate ponds, waterways or ditches with chemical or used container.
In accordance with local and national regulations.

Contaminated packaging : Empty remaining contents.
Dispose of as unused product.
Do not re-use empty containers.

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WM 0712574

Order number: 0712574

Version 6.1

Revision Date 21.01.2026

Print Date 11.03.2026

Waste Code

European Waste Catalog
20 01 29*

According to the European Waste Catalog, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities.

SECTION 14: Transport information

14.1 UN number or ID number

ADR

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

14.2 UN proper shipping name

Not regulated as a dangerous good

14.3 Transport hazard class(es)

ADR

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

14.4 Packing group

ADR

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

14.5 Environmental hazards

ADR

Not dangerous goods

IMDG

Not regulated as a dangerous good

IATA

Not dangerous goods

14.6 Special precautions for user

Remarks : Not classified as dangerous in the meaning of transport regulations.

For personal protection see section 8.

14.7 Maritime transport in bulk according to IMO instruments

Not applicable for product as supplied.

SECTION 15: Regulatory information

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

Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals : Not applicable

SAFETY DATA SHEET

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WM 0712574

Order number: 0712574

Version 6.1

Revision Date 21.01.2026

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REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII) : See Annex XVII to Regulation (EC) no 1907/2006 for Conditions of restriction

: Directive 96/82/EC does not apply

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances. : Not applicable

TA Luft List (Germany) : Total dust: Not applicable
: Inorganic substances in powdered form: Not applicable
: Inorganic substances in vapor or gaseous form: : portionClass 3: 0,01 %
: Organic Substances: Not applicable
: Carcinogenic substances: Not applicable
: mutagenic: Not applicable
: Toxic to reproduction: Not applicable

Volatile organic compounds (VOC) content : Directive 2010/75/EU of 24 November 2010 on industrial and livestock rearing emissions (integrated pollution prevention and control)
Update: Percent volatile: 1,95 %
197,2 g/l
VOC content excluding water

Volatile organic compounds (VOC) content : Directive 2010/75/EU of 24 November 2010 on industrial and livestock rearing emissions (integrated pollution prevention and control)
Update: Percent volatile: 1,95 %
19,74 g/l
VOC content valid only for coating materials used on wood surfaces

according to Detergents Regulation EC 648/2004 : <5% anionic surfactants, non-ionic surfactants

15.2 Chemical Safety Assessment

There is no data available for this product.

SECTION 16: Other information

Full text of H-Statements

H225 : Highly flammable liquid and vapor.
H319 : Causes serious eye irritation.

Full text of other abbreviations

Eye Irrit. : Eye irritation
Flam. Liq. : Flammable liquids

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or

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Version 6.1

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Reproductive Toxicant; DIN - Standard of the German Institute for Standardization; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organization for Standardization; KECl - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorization and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - substance of very high concern; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

Further information

Classification of the mixture:

Eye Irrit. 2

H319

Classification procedure:

Calculation method

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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