

DRYING AGENT (20 L)

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878
Issue date: 12/6/2021 Revision date: 12/7/2021 Supersedes version of: 4/3/2018 Version: 9.2

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

1.1. Product identifier

Product form : Mixture
Trade name : DRYING AGENT (20 L)
UFI : JY6D-P037-Q00D-GNMX
Product code : 4414
Type of product : Detergents
Product group : Trade product

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

1.2.1. Relevant identified uses

Main use category : Professional use
Use of the substance/mixture : Cleaning agent
Specific use
Polishing agent
Function or use category : Cleaning/washing agents and additives

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Pro Part International
Molenakker , 3
5953 TW Reuver – Limburg
Nederland
T +31 (0) 77 476 2204
info@propart-international.com - www.propart-international.com

1.4. Emergency telephone number

Country	Organisation/Company	Address	Emergency number	Comment
United Kingdom	National Poisons Information Service (Belfast Centre) Royal Victoria Hospital	Grosvenor Road BT12 6BA Belfast	0344 892 0111	Only for healthcare professionals

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Corrosive to metals Not classified

Skin corrosion/irritation, Category 2 H315

Serious eye damage/eye irritation, Category 1 H318

Hazardous to the aquatic environment — Chronic Hazard, Category 2 H411

Full text of H- and EUH-statements: see section 16

Adverse physicochemical, human health and environmental effects

Causes skin irritation. Causes serious eye damage. Toxic to aquatic life with long lasting effects.

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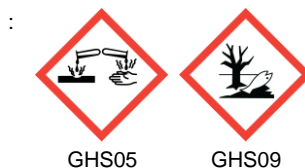
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2.2. Label elements

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

Hazard pictograms (CLP)



Signal word (CLP)

Contains

Hazard statements (CLP)

Precautionary statements (CLP)

EUH-statements

: Danger
: IMIDAZOLIUM COMPOUNDS, 2-(C17 AND C17-UNSATD. ALKYL)-1-[2-(C18 AND C18-UNSATD. AMIDO)ETHYL]-4,5-DIHYDRO-1-METHYL, ME SULFATES
: H315 - Causes skin irritation.
H318 - Causes serious eye damage.
H411 - Toxic to aquatic life with long lasting effects.
: P264 - Wash hands, forearms and face thoroughly after handling.
P273 - Avoid release to the environment.
P280 - Wear eye protection.
P305+P351+P338+P310 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a doctor, a POISON CENTER.
P391 - Collect spillage.
P501 - Dispose of Contents and container, to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.
: EUH208 - Contains 1,3,3-TRIMETHYL-2-OXABICYCLO[2,2,2]OCTANE. May produce an allergic reaction.

2.3. Other hazards

Contains no PBT/vPvB substances $\geq 0.1\%$ assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605

SECTION 3: Composition/information on ingredients

3.1. Substances

No data available

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
2-BUTOXYETHANOL substance with a Community workplace exposure limit	CAS-No.: 111-76-2 EC-No.: 203-905-0 EC Index-No.: 603-014-00-0 REACH-no: 01-2119475108-36	10 – 20	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation:dust,mist), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319
IMIDAZOLIUM COMPOUNDS, 2-(C17 AND C17-UNSATD. ALKYL)-1-[2-(C18 AND C18-UNSATD. AMIDO)ETHYL]-4,5-DIHYDRO-1-METHYL, ME SULFATES	CAS-No.: 72749-55-4 EC-No.: 276-810-5	1 – 5	Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
1-PROPANAMINIUM, 2-HYDROXY-N-(2-HYDROXYPROPYL)-N,N-DIMETHYL-, DIESTERS WITH VEGETABLE-OIL FATTY ACIDS, ME SULFATES (SALTS)	CAS-No.: 95009-13-5 EC-No.: 305-741-6	1 – 5	Skin Irrit. 2, H315 Eye Irrit. 2, H319

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Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
2-PHENOXYETHANOL	CAS-No.: 122-99-6 EC-No.: 204-589-7 EC Index-No.: 603-098-00-9 REACH-no: 01-2119488943-21	1 – 5	Acute Tox. 4 (Oral), H302 Acute Tox. Not classified (Dermal) Eye Irrit. 2, H319 STOT SE Not classified
1,3,3-TRIMETHYL-2-OXABICYCLO[2,2,2]OCTANE	CAS-No.: 470-82-6 EC-No.: 207-431-5 REACH-no: 01-2119967772-24	≤ 0.1	Flam. Liq. 3, H226 Skin Sens. 1, H317
PHOSPHORIC ACID	CAS-No.: 7664-38-2 EC-No.: 231-633-2 EC Index-No.: 015-011-00-6 REACH-no: 01-2119485924-24	≤ 0.1	Met. Corr. 1, H290 Acute Tox. 4 (Oral), H302 Skin Corr. 1B, H314

Specific concentration limits:		
Name	Product identifier	Specific concentration limits
PHOSPHORIC ACID	CAS-No.: 7664-38-2 EC-No.: 231-633-2 EC Index-No.: 015-011-00-6 REACH-no: 01-2119485924-24	(10 ≤C < 25) Skin Irrit. 2, H315 (10 ≤C < 25) Eye Irrit. 2, H319 (25 ≤C ≤ 100) Skin Corr. 1B, H314

Full text of H- and EUH-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. Allow the victim to rest.
First-aid measures after skin contact	: Wash skin with plenty of water. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/attention.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical advice/attention.
First-aid measures after ingestion	: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects after inhalation	: Overexposure may result in : Soar throat. Cough. Inhalation unlikely.
Symptoms/effects after skin contact	: May cause moderate irritation.
Symptoms/effects after eye contact	: Risk of serious damage to eyes. Blurred vision. Burning sensation. Redness, pain.
Symptoms/effects after ingestion	: May cause burns or irritation of the linings of the mouth, throat, and gastrointestinal tract.

4.3. Indication of any immediate medical attention and special treatment needed

In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Water spray. Dry powder. Foam. Carbon dioxide. Sand.
Unsuitable extinguishing media	: Do not use a heavy water stream.

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5.2. Special hazards arising from the substance or mixture

- Fire hazard : Not flammable.
- Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.3. Advice for firefighters

- Firefighting instructions : Continue water spray from protected position until container stays cool. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.
- Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Wear personal protective clothing (see chapter 8). Material spilled on hard surface can present a serious slipping/falling hazard.

6.1.1. For non-emergency personnel

- Emergency procedures : Ventilate spillage area. Avoid contact with skin and eyes. Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection". Equip cleanup crew with proper protection.
- Emergency procedures : Ventilate area.

6.2. Environmental precautions

Avoid release to the environment. Do not flush into surface water.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Wash contaminated equipment or sites of leaks with copious quantities of water. Wash away remainder with plenty of water.

6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Obtain special instructions before use. Normal precautions for handling chemicals should be observed. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour.
- Hygiene measures : Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Keep only in the original container in a cool, well-ventilated place. Protect from freezing.
- Incompatible products : Strong acids. Strong bases.
- Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No data available.

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

2-BUTOXYETHANOL (111-76-2)	
EU - Indicative Occupational Exposure Limit (IOEL)	
Local name	2-Butoxyethanol
IOEL TWA	98 mg/m ³
IOEL TWA [ppm]	20 ppm
IOEL STEL	246 mg/m ³
IOEL STEL [ppm]	50 ppm
Remark	Skin
Regulatory reference	COMMISSION DIRECTIVE 2000/39/EC
Belgium - Occupational Exposure Limits	
OEL TWA	98 mg/m ³
OEL TWA [ppm]	20 ppm
OEL STEL	246 mg/m ³
OEL STEL [ppm]	50 ppm
Netherlands - Occupational Exposure Limits	
Local name	2-Butoxyethanol
TGG-8u (OEL TWA)	100 mg/m ³
TGG-15min (OEL STEL)	246 mg/m ³
Remark	H (Huidopname) Stoffen die relatief gemakkelijk door de huid kunnen worden opgenomen, hetgeen een substantiële bijdrage kan betekenen aan de totale inwendige blootstelling, hebben in de lijst een H-aanduiding. Bij deze stoffen moeten naast maatregelen tegen inademing ook adequate maatregelen ter voorkoming van huidcontact worden genomen.
Regulatory reference	Arbeidsomstandighedenregeling 2021
PHOSPHORIC ACID (7664-38-2)	
EU - Indicative Occupational Exposure Limit (IOEL)	
Local name	Orthophosphoric acid
IOEL TWA	1 mg/m ³
IOEL STEL	2 mg/m ³
Regulatory reference	COMMISSION DIRECTIVE 2000/39/EC
Belgium - Occupational Exposure Limits	
Local name	Acide Phosphorique
OEL TWA	1 mg/m ³
OEL STEL	2 mg/m ³
Netherlands - Occupational Exposure Limits	
Local name	Fosforzuur
TGG-8u (OEL TWA)	1 mg/m ³
TGG-15min (OEL STEL)	2 mg/m ³

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PHOSPHORIC ACID (7664-38-2)

Regulatory reference	Arbeidsomstandighedenregeling 2021
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8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

2-BUTOXYETHANOL (111-76-2)

DNEL/DMEL (Workers)

Acute - systemic effects, dermal	89 mg/kg bodyweight/day
Acute - systemic effects, inhalation	633 – 1091 mg/m ³
Acute - local effects, inhalation	246 mg/m ³
Long-term - systemic effects, dermal	75 – 125 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	98 mg/m ³

DNEL/DMEL (General population)

Acute - systemic effects, dermal	44.5 – 89 mg/kg bodyweight
Acute - systemic effects, inhalation	426 mg/m ³
Acute - systemic effects, oral	13.4 – 26.7 mg/kg bodyweight
Acute - local effects, inhalation	123 mg/m ³
Long-term - systemic effects, oral	3.2 – 6.3 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	49 – 59 mg/m ³
Long-term - systemic effects, dermal	38 – 75 mg/kg bodyweight/day
Long-term - local effects, inhalation	147 mg/m ³

PNEC (Water)

PNEC aqua (freshwater)	8.8 mg/l
PNEC aqua (marine water)	0.88 mg/l

PNEC (Sediment)

PNEC sediment (freshwater)	8.14 mg/kg dwt
PNEC sediment (marine water)	3.46 mg/kg dwt

PNEC (Soil)

PNEC soil	2.8 mg/kg dwt
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PNEC (STP)

PNEC sewage treatment plant	463 mg/l
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2-PHENOXYETHANOL (122-99-6)

DNEL/DMEL (Workers)

Long-term - systemic effects, dermal	34.72 mg/kg bodyweight/day
Long-term - local effects, dermal	20.83 mg/kg bw/day
Long-term - systemic effects, inhalation	8.07 mg/m ³
Long-term - local effects, inhalation	8.07 mg/m ³

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2-PHENOXYETHANOL (122-99-6)	
DNEL/DMEL (General population)	
Acute - systemic effects, oral	17.43 mg/kg bodyweight
Long-term - systemic effects, oral	17.43 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	2.41 mg/m ³
Long-term - systemic effects, dermal	20.83 mg/kg bodyweight/day
Long-term - local effects, inhalation	2.41 mg/m ³
PNEC (Water)	
PNEC aqua (freshwater)	0.943 mg/l
PNEC aqua (marine water)	0.094 mg/l
PNEC aqua (intermittent, freshwater)	3.44 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	7.23 mg/kg dwt
PNEC sediment (marine water)	0.723 mg/kg dwt
PNEC (Soil)	
PNEC soil	1.26 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	24.8 mg/l
PHOSPHORIC ACID (7664-38-2)	
DNEL/DMEL (Workers)	
Acute - local effects, inhalation	2 mg/m ³
Long-term - systemic effects, inhalation	1 mg/m ³
Long-term - local effects, inhalation	2.92 mg/m ³
DNEL/DMEL (General population)	
Long-term - local effects, inhalation	0.73 mg/m ³

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

8.2.2. Personal protection equipment

Personal protective equipment:

Avoid contact with skin, eyes and clothing. Avoid all unnecessary exposure. Hand protection. Eye protection.

Personal protective equipment symbol(s):



8.2.2.1. Eye and face protection

Eye protection:

Wear eye/face protection. Chemical goggles or safety glasses. EN 166

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8.2.2.2. Skin protection

Skin and body protection:

If repeated skin contact or contamination of clothing is likely, protective clothing should be worn

Hand protection:

Protective gloves. Chemical resistant gloves (according to European standard EN 374 or equivalent). By prolonged exposure : Reusable gloves. Short term exposure: Disposable gloves, Reusable gloves. If there is a risk of liquid being splashed : Disposable gloves, Reusable gloves. Time of penetration is to be checked with the glove producer.

Hand protection					
Type	Material	Permeation	Thickness (mm)	Penetration	Standard
Reusable gloves	Nitrile rubber (NBR), Neoprene rubber (HNBR)	6 (> 480 minutes)	> 0,35 mm (NBR); > 0,7 mm (HNBR)		EN 374-3
Disposable gloves, Reusable gloves	Nitrile rubber (NBR), Neoprene rubber (HNBR)	2 (> 30 minutes)	> 0,1 mm		EN 374-3

8.2.2.3. Respiratory protection

Respiratory protection:

No special protection required where adequate ventilation is maintained

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

Environmental exposure controls:

Avoid release to the environment.

Consumer exposure controls:

Do not eat, drink or smoke when using this product.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Red.
Odour	: Perfumed.
Odour threshold	: Not available
Melting point	: Not available
Freezing point	: Not available
Boiling point	: ≥ 100 °C
Flammability	: Not available
Explosive limits	: Not available
Lower explosion limit	: Not available
Upper explosion limit	: Not available
Flash point	: > 60 °C (aqueous non combustible product)Not applicable.
Auto-ignition temperature	: Not available
Decomposition temperature	: Not available
pH	: 5.5 (20°C)
Viscosity, kinematic	: Not available
Viscosity, dynamic	: < 50 mPa·s (20°C)
Solubility	: Material highly soluble in water. Completely soluble.
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: Not available
Vapour pressure at 50 °C	: Not available
Density	: 0.994 g/cm ³ (20 °C)
Relative density	: Not available
Relative vapour density at 20 °C	: Not available
Particle characteristics	: No data available

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9.2. Other information

9.2.1. Information with regard to physical hazard classes

No additional information available

9.2.2. Other safety characteristics

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures avoid.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. Thermal decomposition or combustion can release carbon oxides and other toxic gases or vapors.

SECTION 11: Toxicological information

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

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

2-BUTOXYETHANOL (111-76-2)

LD50 oral rat	> 400 mg/kg
LD50 oral	1746 mg/kg bodyweight
LD50 dermal rat	1300 – 2270 mg/kg
LD50 dermal rabbit	1000 – 2000 mg/kg
LD50 dermal	435 mg/kg bodyweight
LC50 Inhalation - Rat	> 2.2 mg/l/4h
LC50 Inhalation - Rat (Dust/Mist)	2200 mg/l/4h

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LD50 oral rat	> 2000 mg/kg
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2-PHENOXYETHANOL (122-99-6)

LD50 oral rat	1260 mg/kg
LD50 oral	1850 mg/kg bodyweight

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2-PHENOXYETHANOL (122-99-6)

LD50 dermal rabbit	> 5000 mg/kg
LD50 dermal	14391 mg/kg bodyweight
LC50 Inhalation - Rat (Dust/Mist)	> 1000 mg/l/4h

1,3,3-TRIMETHYL-2-OXABICYCLO[2,2,2]OCTANE (470-82-6)

LD50 oral rat	2480 mg/kg
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PHOSPHORIC ACID (7664-38-2)

LD50 oral rat	301 – 2600 mg/kg (OECD 423)
LD50 oral	1530 mg/kg bodyweight
LD50 dermal rabbit	2740 mg/kg
LD50 dermal	2740 mg/kg bodyweight
LC50 Inhalation - Rat	0.85 – 3.846 mg/l (OECD 403, 1h)

Skin corrosion/irritation	: Causes skin irritation. pH: 5.5 (20°C)
Serious eye damage/irritation	: Causes serious eye damage. pH: 5.5 (20°C)
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified

2-PHENOXYETHANOL (122-99-6)

LOAEL (oral, rat)	700 mg/kg bodyweight
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PHOSPHORIC ACID (7664-38-2)

NOAEL (oral, rat)	> 500 mg/kg bodyweight (Fertility, OECD 422), > 410 mg/l (rat, OECD422)
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STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

No additional information available

11.2.2. Other information

Potential adverse human health effects and symptoms	: Based on available data, the classification criteria are not met
Other information	: The statements are derived from the properties of the single components. No toxicological data is available for the product as such

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general	: Toxic to aquatic life with long lasting effects.
Hazardous to the aquatic environment, short-term (acute)	: Not classified
Hazardous to the aquatic environment, long-term (chronic)	: Toxic to aquatic life with long lasting effects.

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Additional information : The ecotoxicological properties of this mixture are determined by the ecotoxicological properties of the single components (see section 3).

2-BUTOXYETHANOL (111-76-2)	
LC50 - Fish [1]	1700 mg/l (24h, Carassius auratus (goldfish))
LC50 - Fish [2]	1474 mg/l (96h, Oncorhynchus mykiss (Rainbow trout))
EC50 - Crustacea [1]	1550 mg/l (48h)
EC50 - Other aquatic organisms [2]	911 mg/l IC50 algae (72h)
EC50 72h - Algae [1]	911 mg/l (Pseudokirchneriella subcapitata)
NOEC chronic crustacea	> 100 mg/l Daphnia magna (Water flea)(OECD 211 method) 21d
NOEC chronic algae	> 280 mg/l Pseudokirchneriella subcapitata (OECD 201 method)
2-PHENOXYETHANOL (122-99-6)	
LC50 - Fish [1]	344 mg/l (96h, Pimephales promelas)
EC50 - Crustacea [1]	> 500 mg/l (48h)
EC50 - Other aquatic organisms [1]	443 mg/l IC50 (72h)
EC50 72h - Algae [1]	> 500 mg/l (72h)
1,3,3-TRIMETHYL-2-OXABICYCLO[2,2,2]OCTANE (470-82-6)	
LC50 - Fish [1]	102 mg/l (96h, Pimephales promelas)
PHOSPHORIC ACID (7664-38-2)	
LC50 - Fish [1]	98 – 138 mg/l (96h)
EC50 - Crustacea [1]	> 100 ml/l (OECD 202, 48h)
EC50 72h - Algae [1]	> 100 mg/l (72h)
EC50 72h - Algae [2]	> 100 mg/l (72h)
NOEC chronic crustacea	56 mg/l (48h, OECD 202)
NOEC chronic algae	100 mg/l (72h)

12.2. Persistence and degradability

DRYING AGENT (20 L)	
Persistence and degradability	May cause long-term adverse effects in the environment. The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.
2-BUTOXYETHANOL (111-76-2)	
Biodegradation	90.4 – 95 % (min/day 28d (OECD 301E method))
2-PHENOXYETHANOL (122-99-6)	
Biodegradation	70 % (15d, OECD 301A)

12.3. Bioaccumulative potential

DRYING AGENT (20 L)	
Bioaccumulative potential	Not established.
2-BUTOXYETHANOL (111-76-2)	
Partition coefficient n-octanol/water (Log Kow)	0.83

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Partition coefficient n-octanol/water (Log Kow)	12.94
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2-PHENOXYETHANOL (122-99-6)

Bioconcentration factor (BCF REACH)	0.35
Partition coefficient n-octanol/water (Log Kow)	1.2 (OECD 107)

PHOSPHORIC ACID (7664-38-2)

Partition coefficient n-octanol/water (Log Kow)	-0.77
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Endocrine disrupting properties

No additional information available

12.7. Other adverse effects

Other adverse effects : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste)	: Disposal must be done according to official regulations.
Product/Packaging disposal recommendations	: This material and its container must be disposed of in a safe way, and as per local legislation. Product as it is : Chemical refuse. To be disposed of as hazardous waste. Empty containers can be dumped after cleaning according to local legislation. Recycling is preferred to disposal or incineration. Empty the packaging completely prior to disposal. Wash away remainder with plenty of water.
Ecology - waste materials	: Avoid release to the environment.
European List of Waste (LoW) code	: 20 01 29* - detergents containing dangerous substances

SECTION 14: Transport information


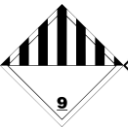
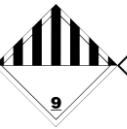
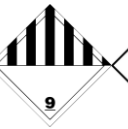
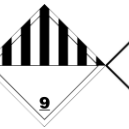
In accordance with ADR / IMDG / IATA / ADN / RID

ADR	IMDG	IATA	ADN	RID
14.1. UN number or ID number				
UN 3082	UN 3082	UN 3082	UN 3082	UN 3082
14.2. UN proper shipping name				
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Imidazolium compounds, 2-(C17-unsatd. alkyl)-1-[2-(C18 and C18-unsatd. amido)ethyl]-4,5-dihydro-1-methyl, Me sulfates (72749-55-4)))	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Imidazolium compounds, 2-(C17-unsatd. alkyl)-1-[2-(C18 and C18-unsatd. amido)ethyl]-4,5-dihydro-1-methyl, Me sulfates (72749-55-4)))	Environmentally hazardous substance, liquid, n.o.s. (Imidazolium compounds, 2-(C17-unsatd. alkyl)-1-[2-(C18 and C18-unsatd. amido)ethyl]-4,5-dihydro-1-methyl, Me sulfates (72749-55-4)))	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Imidazolium compounds, 2-(C17-unsatd. alkyl)-1-[2-(C18 and C18-unsatd. amido)ethyl]-4,5-dihydro-1-methyl, Me sulfates (72749-55-4)))	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Imidazolium compounds, 2-(C17-unsatd. alkyl)-1-[2-(C18 and C18-unsatd. amido)ethyl]-4,5-dihydro-1-methyl, Me sulfates (72749-55-4)))

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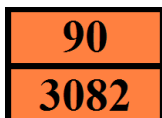
according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

ADR	IMDG	IATA	ADN	RID
Transport document description				
UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Imidazolium compounds, 2-(C17-unsatd. alkyl)-1-[2-(C18 and C18- unsatd. amido)ethyl]-4,5- dihydro-1-methyl, Me sulfates (72749-55-4))), 9, III, (E)	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Imidazolium compounds, 2-(C17-unsatd. alkyl)-1-[2-(C18 and C18- unsatd. amido)ethyl]-4,5- dihydro-1-methyl, Me sulfates (72749-55-4))), 9, III, MARINE POLLUTANT	UN 3082 Environmentally hazardous substance, liquid, n.o.s. (Imidazolium compounds, 2-(C17-unsatd. alkyl)-1-[2-(C18 and C18- unsatd. amido)ethyl]-4,5- dihydro-1-methyl, Me sulfates (72749-55-4))), 9, III	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Imidazolium compounds, 2-(C17-unsatd. alkyl)-1-[2-(C18 and C18- unsatd. amido)ethyl]-4,5- dihydro-1-methyl, Me sulfates (72749-55-4))), 9, III	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Imidazolium compounds, 2-(C17-unsatd. alkyl)-1-[2-(C18 and C18- unsatd. amido)ethyl]-4,5- dihydro-1-methyl, Me sulfates (72749-55-4))), 9, III
14.3. Transport hazard class(es)				
9	9	9	9	9
				
14.4. Packing group				
III	III	III	III	III
14.5. Environmental hazards				
Dangerous for the environment: Yes	Dangerous for the environment: Yes Marine pollutant: Yes	Dangerous for the environment: Yes	Dangerous for the environment: Yes	Dangerous for the environment: Yes
No supplementary information available				

14.6. Special precautions for user

Overland transport

Classification code (ADR)	: M6
Special provisions (ADR)	: 274, 335, 375, 601
Limited quantities (ADR)	: 5I
Excepted quantities (ADR)	: E1
Packing instructions (ADR)	: P001, IBC03, LP01, R001
Special packing provisions (ADR)	: PP1
Mixed packing provisions (ADR)	: MP19
Portable tank and bulk container instructions (ADR)	: T4
Portable tank and bulk container special provisions (ADR)	: TP1, TP29
Tank code (ADR)	: LGBV
Vehicle for tank carriage	: AT
Transport category (ADR)	: 3
Special provisions for carriage - Packages (ADR)	: V12
Special provisions for carriage - Loading, unloading and handling (ADR)	: CV13
Hazard identification number (Kemler No.)	: 90
Orange plates	:



Tunnel restriction code (ADR)	: E
EAC code	: •3Z

Transport by sea

Special provisions (IMDG)	: 274, 335, 969
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Limited quantities (IMDG)	: 5 L
Excepted quantities (IMDG)	: E1
Packing instructions (IMDG)	: LP01, P001
Special packing provisions (IMDG)	: PP1
IBC packing instructions (IMDG)	: IBC03
Tank instructions (IMDG)	: T4
Tank special provisions (IMDG)	: TP1, TP29
EmS-No. (Fire)	: F-A
EmS-No. (Spillage)	: S-F
Stowage category (IMDG)	: A
MFAG-No	: 171

Air transport

PCA Excepted quantities (IATA)	: E1
PCA Limited quantities (IATA)	: Y964
PCA limited quantity max net quantity (IATA)	: 30kgG
PCA packing instructions (IATA)	: 964
PCA max net quantity (IATA)	: 450L
CAO packing instructions (IATA)	: 964
CAO max net quantity (IATA)	: 450L
Special provisions (IATA)	: A97, A158, A197, A215
ERG code (IATA)	: 9L

Inland waterway transport

Classification code (ADN)	: M6
Special provisions (ADN)	: 274, 335, 375, 601
Limited quantities (ADN)	: 5 L
Excepted quantities (ADN)	: E1
Carriage permitted (ADN)	: T
Equipment required (ADN)	: PP
Number of blue cones/lights (ADN)	: 0

Rail transport

Classification code (RID)	: M6
Special provisions (RID)	: 274, 335, 375, 601
Limited quantities (RID)	: 5L
Excepted quantities (RID)	: E1
Packing instructions (RID)	: P001, IBC03, LP01, R001
Special packing provisions (RID)	: PP1
Mixed packing provisions (RID)	: MP19
Portable tank and bulk container instructions (RID)	: T4
Portable tank and bulk container special provisions (RID)	: TP1, TP29
Tank codes for RID tanks (RID)	: LGBV
Transport category (RID)	: 3
Special provisions for carriage – Packages (RID)	: W12
Special provisions for carriage - Loading, unloading and handling (RID)	: CW13, CW31
Colis express (express parcels) (RID)	: CE8
Hazard identification number (RID)	: 90

14.7. Maritime transport in bulk according to IMO instruments

No data available

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SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

EU restriction list (REACH Annex XVII)		
Reference code	Applicable on	Entry title or description
3(a)	1,3,3-TRIMETHYL-2-OXABICYCLO[2,2,2]OCTANE	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13 categories 1 and 2, 2.14 categories 1 and 2, 2.15 types A to F
3(b)	DRYING AGENT (20 L) ; 2-BUTOXYETHANOL ; 1-PROPANAMINIUM, 2-HYDROXY-N-(2-HYDROXYPROPYL)-N,N-DIMETHYL-, DIESTERS WITH VEGETABLE-OIL FATTY ACIDS, ME SULFATES (SALTS) ; 2-PHENOXYETHANOL ; 1,3,3-TRIMETHYL-2-OXABICYCLO[2,2,2]OCTANE ; PHOSPHORIC ACID	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10
3(c)	DRYING AGENT (20 L)	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard class 4.1
40.	1,3,3-TRIMETHYL-2-OXABICYCLO[2,2,2]OCTANE	Substances classified as flammable gases category 1 or 2, flammable liquids categories 1, 2 or 3, flammable solids category 1 or 2, substances and mixtures which, in contact with water, emit flammable gases, category 1, 2 or 3, pyrophoric liquids category 1 or pyrophoric solids category 1, regardless of whether they appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or not.

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

Contains no substance subject to REGULATION (EU) No 1005/2009 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 September 2009 on substances that deplete the ozone layer.

Contains no substance subject to Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors.

Other information, restriction and prohibition regulations : Perfumes ((R)-p-mentha-1,8-dien): > 0,01 %. Detergent Regulation (648/2004/EC): Labelling of contents. cationic surfactants. Cationic surfactants 5 - 15%. 2-phenoxyethanol.

Contains no substance subject to Regulation (EC) 273/2004 of the European Parliament and of the Council of 11 February 2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances.

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15.1.2. National regulations

France	
Occupational diseases	
Code	Description: Cleaning agent
RG 84	Conditions caused by liquid organic solvents for professional use: saturated or unsaturated aliphatic or cyclic liquid hydrocarbons and mixtures thereof; liquid halogenated hydrocarbons; nitrated derivatives of aliphatic hydrocarbons; alcohols; glycols, glycol ethers; ketones; aldehydes; aliphatic and cyclic ethers, including tetrahydrofuran; esters; dimethylformamide and dimethylacetamide; acetonitrile and propionitrile; pyridine; dimethylsulfone and dimethylsulfoxide

Germany

Employment restrictions	: Observe restrictions according Act on the Protection of Working Mothers (MuSchG) Observe restrictions according Act on the Protection of Young People in Employment (JArbSchG)
Water hazard class (WGK) 2	: WGK: 2, Significantly hazardous to water (Classification according to AwSV, Annex 1)
Hazardous Incident Ordinance (12. BImSchV)	: Is not subject of the Hazardous Incident Ordinance (12. BImSchV)

Netherlands

Dutch National Regulations	: Saneringsinspanningen. In principe niet lozen; zo ja, dan toepassen van beste bestaande technieken.
ABM category	: A(2) - toxic for aquatic organisms, may have longterm hazardous effects in aquatic environment
SZW-lijst van kankerverwekkende stoffen	: 1-PROPANAMINIUM, 2-HYDROXY-N-(2-HYDROXYPROPYL)-N,N-DIMETHYL-, DIESTERS WITH VEGETABLE-OIL FATTY ACIDS, ME SULFATES (SALTS) is listed
SZW-lijst van mutagene stoffen	: 1-PROPANAMINIUM, 2-HYDROXY-N-(2-HYDROXYPROPYL)-N,N-DIMETHYL-, DIESTERS WITH VEGETABLE-OIL FATTY ACIDS, ME SULFATES (SALTS) is listed
SZW-lijst van reprotoxische stoffen – Borstvoeding	: None of the components are listed
SZW-lijst van reprotoxische stoffen – Vruchtbaarheid	: None of the components are listed
SZW-lijst van reprotoxische stoffen – Ontwikkeling	: None of the components are listed

Denmark

Classification remarks	: Emergency management guidelines for the storage of flammable liquids must be followed
Danish National Regulations	: Young people below the age of 18 years are not allowed to use the product Pregnant/breastfeeding women working with the product must not be in direct contact with the product

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Indication of changes:

This sheet has been revised completely (changes were not marked).

Abbreviations and acronyms:	
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
BLV	Biological limit value
BOD	Biochemical oxygen demand (BOD)
COD	Chemical oxygen demand (COD)
DMEL	Derived Minimal Effect level

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Abbreviations and acronyms:	
DNEL	Derived-No Effect Level
EC-No.	European Community number
EC50	Median effective concentration
EN	European Standard
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Dose leading to death in 50% of a test population (median lethal dose)
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
OEL	Occupational Exposure Limit
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
STP	Sewage treatment plant
ThOD	Theoretical oxygen demand (ThOD)
TLM	Median Tolerance Limit
VOC	Volatile Organic Compounds
CAS-No.	Chemical Abstract Service number
N.O.S.	Not Otherwise Specified
vPvB	Very Persistent and Very Bioaccumulative
ED	Endocrine disrupting properties

Data sources

: Information from our suppliers, such as data from "Registered Substances Database" of the European Chemicals Agency (ECHA) is used to compile the safety data sheet.

Classification procedure: . Health and Environmental Hazards: The method for classifying mixtures based on the components of the mixture (sum formula). Physical and Chemical Properties: Classification is based on the results of the mixtures tested.

Other information

: **DISCLAIMER OF LIABILITY** The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

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Full text of H- and EUH-statements:	
Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4
Acute Tox. 4 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Acute Tox. Not classified (Dermal)	Acute toxicity (dermal) Not classified
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
EUH208	Contains 1,3,3-TRIMETHYL-2-OXABICYCLO[2,2,2]OCTANE. May produce an allergic reaction.
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
H226	Flammable liquid and vapour.
H290	May be corrosive to metals.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
Met. Corr. 1	Corrosive to metals, Category 1
Skin Corr. 1B	Skin corrosion/irritation, Category 1, Sub-Category 1B
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
STOT SE Not classified	Specific target organ toxicity (single exposure) Not classified

The classification complies with : ATP 12

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.