

Safety Data Sheet

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

Date first issue: 28/04/2017 Review date: 19/04/2024 Supersedes version of: 30/06/2023 Version: 9.0

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

1.1. Product identifier

Product form : Mixture Product name : FORTEX BLUE Product code : IT00373

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 : Sanitizing post dipping

1.2.2. Uses advised against

Restrictions on use : The product should not be used for purposes other than those shown above without first

referring to the supplier and obtaining written handling instructions

1.3. Details of the supplier of the safety data sheet

Manufacturer

Christeyns Italia S.r.l. Via Aldo Moro 30 IT 20042 PESSANO CON BORNAGO (MI)

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Distributor

Christeyns UK Ltd. **Rutland Street** GB Bradford BD4 7EA United Kingdom

T +44 (0)1274 39 32 86, F +44 (0)1274 30 91 43 info@christeyns.be, www.christeyns.com

Distributor

Christeyns Food Hygiene Ltd. Ltd 2, Cameron Court, Winwick Quay GB WA2 8RE Warrington, Cheshire United Kingdom T +44 (0)1925 23 46 96

UK-foodinfo@christeyns.com, www.christeyns.com

Distributor

Casoria Company Ltd. Ltd 1 Farnham Street IE H12 A9K0 Cavan, Co. Cavan Ireland T 00353 49 4361869, F 00353 49 436 1869 sds@casoria.ie, www.casoria.ie

Distributor

T +353 1 8146022

Christeyns Technologies Ltd. Mazars, Block 3, Harcout Centre, Harcourt Road IE 2 Dublin Ireland

1.4. Emergency telephone number

| Country/Area | Organisation/Company | Address | Emergency number | Comment |
|----------------|--|--|--|-----------------------------------|
| Ireland | National Poisons Information Centre Beaumont Hospital | PO Box 1297 Beaumont Road 9 Dublin | +353 1 809 2566 (Healthcare professionals- 24/7) +353 1 809 2166 (public, 8am - 10pm, 7/7) | |
| United Kingdom | National Poisons Information Service (Birmingham Centre) City Hospital | Dudley Road B18 7QH | 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]

Hazardous to the aquatic environment - Acute Hazard, H400

Category 1

Hazardous to the aquatic environment - Chronic Hazard, H412

Category 3

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

Adverse physicochemical, human health and environmental effects

Harmful to aquatic life with long lasting effects.

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2.2. Label elements

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

Hazard pictograms (CLP)



GHS09

CLP Signal word : Warning

Contains : CHLORHEXIDINE DIGLUCONATE

Hazard statements (CLP) : H410 - Very toxic to aquatic life with long lasting effects.

Precautionary statements (CLP) : 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.

2.3. Other hazards

Contains no PBT and/or vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

| Component | |
|---|---------------------|
| Substance(s) not meeting the PBT criteria of REACH regulation, in accordance with Annex XIII | GLICERINA (56-81-5) |
| Substance(s) not meeting the vPvB criteria of REACH regulation, in accordance with Annex XIII | GLICERINA (56-81-5) |

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 substance(s) are 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 at a concentration equal to or greater than 0,1 %

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

| Name | Product identifier | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|--|--|-------|---|
| GLICERINA substance with national workplace exposure limit(s) (BE, CZ, DE, EE, ES, FI, FR, GB, GR, HR, PL, SK, CH) | CAS-no: 56-81-5 Einecs nr: 200-289-5 EG annex nr: 200-289-5 REACH-no: 1907/2066/EC Annex V.9 | 3 – 5 | Not classified |
| GLICOLE PROPILENICO substance with national workplace exposure limit(s) (GB, HR, LT, LV, NO) | CAS-no: 57-55-6 Einecs nr: 200-338-0 EG annex nr: 200-338-0 REACH-no: 01-2119456809- 23 | 1-3 | Not classified |
| CHLORHEXIDINE DIGLUCONATE | CAS-no: 18472-51-0 Einecs nr: 242-354-0 REACH-no: 01-2119946568- 22 | <1 | Eye Dam. 1, H318 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 |

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

SECTION 4: First aid measures

4.1. Description of first aid measures

General advice : If you feel unwell, seek medical advice (show the label where possible).

Inhalation : If you feel unwell, seek medical advice.

Skin contact : Consult a doctor/medical service if you feel unwell.

Eye contact : Rinse eyes with water as a precaution. If eye irritation persists: Get medical

advice/attention.

Ingestion : Rinse mouth out with water. Call a poison center or a doctor if you feel unwell.

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

No additional information available

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : All extinguishing agents can be used. Water spray. Dry powder. Foam. Carbon dioxide.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire

: Thermal decomposition generates : Carbon monoxide. Carbon dioxide.

5.3. Advice for firefighters

Protection during firefighting

: Do not attempt to take action without suitable protective equipment. Self-contained

breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures

: Ventilate spillage area.

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".

6.2. Environmental precautions

Avoid release to the environment. Stop leak without risks if possible.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up

: Take up liquid spill into absorbent material. Absorb spilled material with sand or earth.

Shovel or sweep up and put in a closed container for disposal.

Other information

: Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling

: Ensure good ventilation of the work station. Wear personal protective equipment. Never

mix with other materials. Never return unused material to original container.

Hygiene measures

: 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 original container. Store in a well-ventilated place. Keep cool.

Maximum storage period Storage temperature

: ≤ 2 year : ≤ 35 (≥ 5) °C

Material(s) to avoid

: None known

7.3. Specific end use(s)No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

| GLICERINA (56-81-5) | |
|---|------------------|
| Jnited Kingdom - Occupational Exposure Limits | |
| Local name Glycerol | |
| WEL TWA (OEL TWA) | 10 mg/m³ mist |
| Regulatory reference EH40/2005 (Fourth edition, 2020). HSE | |
| GLICOLE PROPILENICO (57-55-6) | |
| United Kingdom - Occupational Exposure Limits | |
| Local name | Propane-1,2-diol |
| WEL TWA (OEL TWA) 10 mg/m³ particulates 474 mg/m³ total vapour and particulates 150 ppm total vapour and particulates | |

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GLICOLE PROPILENICO (57-55-6)

Regulatory reference EH40/2005 (Fourth edition, 2020). HSE

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

No additional information available

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 symbol(s):





8.2.2.1. Eye and face protection

Eye protection:

The use of safety glasses is always recommended. Safety glasses

8.2.2.2. Skin protection

Protective equipment:

Wear suitable protective clothing

Hand protection:

Although not necessary, it is advisable to wear chemical protective gloves

8.2.2.3. Respiratory protection

Respiratory protection:

No respiratory protection needed under normal use conditions

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

Environmental exposure controls:

Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid Colour : Blue.

Odour: Characteristic.Odour threshold: Not availableMelting point/range: Not applicableFreezing point: ≤ 0 °CBoiling point/Boiling range: ≥ 100 °CFlammability: Non flammable.

Explosive properties : Constituents do not contain chemical groups associated with explosivity.

Oxidising properties : Non oxidizing.

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Lower explosion limit : Not available
Upper explosion limit : Not available

Flash point : Not determined as it does not contain flammable substances

Autoignition temperature : Not available Decomposition temperature : Not available pH : $4 \pm 0.3 (100\%)$

Viscosity, kinematic : $8000 \text{ mm}^2/\text{s} \pm 1000 \text{ at } 20 ^{\circ}\text{C}$ Viscosity, dynamic : $8000 \text{ mPa-s} \pm 1000 \text{ at } 20 ^{\circ}\text{C}$

Solubility : soluble in water.

Partition coefficient n-octanol/water (Log Kow) : Not available

Vapour pressure : Not determined as it is not relevant for the characterization of the product

Vapour pressure at 50°C : Not available

Density : 1 g/cm³ \pm 0,050 at 20 °C

Relative density : Not available
Relative vapour density at 20°C : Not available
Particle characteristics : Not applicable

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

The product is stable at normal handling and storage conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

Never mix with other materials.

10.6. Hazardous decomposition products

Hazardous decomposition products may be released during prolonged heating like smokes, carbon monoxide and dioxide.

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

| GLICERINA (56-81-5) | |
|--|------------------------|
| LD50 oral rat | 12600 ml/kg |
| LD50 dermal rabbit | > 18700 mg/kg |
| GLICOLE PROPILENICO (57-55-6) | |
| LD50 oral rat 22000 ml/kg | |
| LD50 dermal rat | > 2000 mg/kg |
| Skin corrosion/irritation : Not classified | |
| | pH: 4 ± 0.3 (100%) |

| GLICERINA (56-81-5) | |
|-------------------------------|-----------|
| pH | 7 (6 – 8) |
| GLICOLE PROPILENICO (57-55-6) | |
| рН | 7 |

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Serious eye damage/irritation : Not classified

pH: 4 ± 0,3 (100%)

| GLICERINA | (56-81-5) |
|-----------|-----------|
|-----------|-----------|

рΗ 7(6-8)

GLICOLE PROPILENICO (57-55-6)

7

Respiratory or skin sensitisation : Not classified Germ cell mutagenicity : Not classified : Not classified Carcinogenicity

GLICOLE PROPILENICO (57-55-6)

1700 mg/kg bodyweight NOAEL (chronic, oral, animal/male, 2 years)

Reproductive toxicity : Not classified

GLICOLE PROPILENICO (57-55-6)

NOAEL (animal/male, F0/P) 10400 mg/kg bodyweight

STOT-single exposure : Not classified

GLICOLE PROPILENICO (57-55-6)

NOAEL (oral, rat) 1700 mg/kg bodyweight

STOT-repeated exposure : Not classified Aspiration hazard : Not classified

FORTEX BLUE

Viscosity, kinematic 8000 mm²/s ± 1000 at 20 °C

GLICOLE PROPILENICO (57-55-6)

Viscosity, kinematic 43.4 mm²/s

11.2. Information on other hazards

No additional information available

SECTION 12: Ecological information

12.1. Toxicity

: Harmful to aquatic life with long lasting effects. Ecology - general

Hazardous to the aquatic environment, short-term

: Very toxic to aquatic life.

Hazardous to the aquatic environment, long-term

(chronic)

: Harmful to aquatic life with long lasting effects.

| CHLORHEXIDINE DIGLUCONATE (18472-51-0) | |
|--|---------------------------------|
| LC50 - Fish [1] | 10.4 mg/l |
| EC50 - Crustacea [1] | 0.1 (0.05 – 0.1) mg/l |
| ErC50 algae | 0.01 mg/l |
| GLICERINA (56-81-5) | |
| LC50 - Fish [1] | > 5000 mg/l Carassius auratus |
| EC50 - Crustacea [1] | > 10000 mg/l |
| GLICOLE PROPILENICO (57-55-6) | |
| LC50 - Fish [1] | 40613 Oncorhynchus mykiss |
| EC50 - Crustacea [1] | 18340 Ceriodaphnia dubia |
| EC50 72h - Algae [1] | 19000 mg/l Skeletonema costatum |

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12.2. Persistence and degradability

| FORTEX BLUE | |
|--|--|
| Persistence and degradability | 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. |
| CHLORHEXIDINE DIGLUCONATE (18472-51-0) | |
| Persistence and degradability | Biodegradable. |
| GLICERINA (56-81-5) | |
| Persistence and degradability | Biodegradable. |
| GLICOLE PROPILENICO (57-55-6) | |
| Persistence and degradability | Biodegradable. |
| 2.3. Bioaccumulative potential | |
| GLICERINA (56-81-5) | |
| Bioaccumulative potential | Not known. |
| GLICOLE PROPILENICO (57-55-6) | |

Bioaccumulative potential 12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

| izior recuite er i pri una il i pacceciment | |
|---|---------------------|
| Component | |
| Substance(s) not meeting the PBT criteria of REACH regulation, in accordance with Annex XIII | GLICERINA (56-81-5) |
| Substance(s) not meeting the vPvB criteria of REACH regulation, in accordance with Annex XIII | GLICERINA (56-81-5) |

No bioaccumulation.

12.6. Endocrine disrupting properties

No additional information available

12.7. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods

Product/Packaging disposal recommendations

Waste / unused products

- : Dispose of contents/container in accordance with licensed collector's sorting instructions.
- : Completely empty the packaging prior to decontamination.
- : Collect all waste in suitable and labelled containers and dispose according to local legislation.

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA

| in docordance with ABIC / IMID C / IMID | | |
|--|--|---|
| ADR | IMDG | IATA |
| 14.1. UN number or ID number | | |
| UN 3082 | UN 3082 | UN 3082 |
| 14.2. UN proper shipping name | | |
| ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CHLORHEXIDINE DIGLUCONATE) | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CHLORHEXIDINE DIGLUCONATE) | Environmentally hazardous substance, liquid, n.o.s. (CHLORHEXIDINE DIGLUCONATE) |
| Transport document description | | |
| UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CHLORHEXIDINE DIGLUCONATE), 9, III, (-) | UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CHLORHEXIDINE DIGLUCONATE), 9, III, MARINE POLLUTANT | UN 3082 Environmentally hazardous substance, liquid, n.o.s. (CHLORHEXIDINE DIGLUCONATE), 9, III |

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| ADR | IMDG | IATA |
|--|---|--|
| 14.3. Transport hazard class(es) | | 1 |
| 9 9 | | |
| | | ************************************** |
| 14.4. Packing group | | |
| 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 |
| 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

Packing instructions (ADR) : P001, IBC03, LP01, R001

Special packing provisions (ADR) : PP1
Mixed packing provisions (ADR) : MP19
Portable tank and bulk container instructions : T4

(ADR)

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, : CV13

unloading and handling (ADR)

Hazard identification number (Kemler No.) : 90

Orange plates

90 3082

Tunnel code : - EAC code : •3Z

Transport by sea

Special provisions (IMDG) : 274, 335, 969

Limited quantities (IMDG) : 5 L

Packing instructions (IMDG) : LP01, P001

Special packing provisions (IMDG) : PP1

IBC packing instructions (IMDG) : IBC03

Air transport

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

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14.7. Maritime transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

REACH Annex XVII (Restriction List)

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

Dual-Use Regulation (428/2009)

Contains no substance subject to the COUNCIL REGULATION (EC) No 428/2009 of 5 May 2009 setting up a Community regime for the control of exports, transfer, brokering and transit of dual-use items.

Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

| Indication of changes | | | |
|-----------------------|---|----------|----------|
| Section | Changed item | Change | Comments |
| | UN-No. (RID) | Added | |
| | Review date | Modified | |
| | Supersedes | Modified | |
| | Danger labels (ADN) | Added | |
| | Proper Shipping Name (RID) | Added | |
| | Hazard identification number (RID) | Added | |
| | Colis express (express parcels) (RID) | Added | |
| | Special provisions for carriage - Loading, unloading and handling (RID) | Added | |
| | Special provisions for carriage – Packages (RID) | Added | |
| | Transport category (RID) | Added | |
| | Tank codes for RID tanks (RID) | Added | |
| | Portable tank and bulk container special provisions (RID) | Added | |
| | Portable tank and bulk container instructions (RID) | Added | |

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| Indication of ch | anges | | | |
|------------------|---|----------|----------|--|
| Section | Changed item | Change | Comments | |
| | Mixed packing provisions (RID) | Added | | |
| | Special packing provisions (RID) | Added | | |
| | Packing instructions (RID) | Added | | |
| | Limited quantities (RID) | Added | | |
| | Special provisions (RID) | Added | | |
| | Packing group (RID) | Added | | |
| | Classification code (RID) | Added | | |
| | Special provisions (IATA) | Added | | |
| | CAO max net quantity (IATA) | Added | | |
| | CAO packing instructions (IATA) | Added | | |
| | PCA max net quantity (IATA) | Added | | |
| | PCA packing instructions (IATA) | Added | | |
| | PCA limited quantity max net quantity (IATA) | Added | | |
| | PCA Limited quantities (IATA) | Added | | |
| | Danger labels (IATA) | Added | | |
| | Proper Shipping Name (IATA) | Added | | |
| | Proper Shipping Name (IMDG) | Added | | |
| | Danger labels (IMDG) | Added | | |
| | Limited quantities (IMDG) | Added | | |
| | IBC packing instructions (IMDG) | Added | | |
| | Special provisions (IMDG) | Added | | |
| | Special provisions for carriage - Loading, unloading and handling (ADR) | Added | | |
| | Special provisions for carriage - Packages (ADR) | Added | | |
| | Tank code (ADR) | Added | | |
| | Portable tank and bulk container special provisions (ADR) | Added | | |
| | Portable tank and bulk container instructions (ADR) | Added | | |
| | Mixed packing provisions (ADR) | Added | | |
| | Special packing provisions (ADR) | Added | | |
| | Packing instructions (ADR) | Added | | |
| | Vehicle for tank carriage | Added | | |
| 2.1 | Classification according to Regulation (EC) No. 1272/2008 [CLP] | | | |
| 2.2 | CLP Signal word | Added | | |
| 2.2 | Hazard pictograms (CLP) | Added | | |
| 2.2 | Precautionary statements (CLP) | Added | | |
| 2.2 | Hazard statements (CLP) | Modified | | |
| 5.3 | EAC code | Added | | |
| 14.1 | UN-No. (IATA) | Added | | |
| 14.1 | UN-No. (IMDG) | Added | | |
| 14.1 | UN-No. (ADR) | Added | | |
| 14.1 | UN-No. (ADN) | Added | | |

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| Indication of changes | | | | |
|-----------------------|---|--------|----------|--|
| Section | Changed item | Change | Comments | |
| 14.2 | Proper Shipping Name (ADN) | Added | | |
| 14.2 | Proper shipping name | Added | | |
| 14.3 | Danger labels (RID) | Added | | |
| 14.3 | Danger labels (ADR) | Added | | |
| 14.3 | Class (ADR) | Added | | |
| 14.4 | Packing group (ADN) | Added | | |
| 14.4 | Packing group (IATA) | Added | | |
| 14.4 | Packing group (IMDG) | Added | | |
| 14.4 | Packing group (ADR) | Added | | |
| 14.6 | Special packing provisions (IMDG) | Added | | |
| 14.6 | Packing instructions (IMDG) | Added | | |
| 14.6 | Transport category (ADR) | Added | | |
| 14.6 | Special provisions (ADR) | Added | | |
| 14.6 | Limited quantities (ADR) | Added | | |
| 14.6 | Tunnel code | Added | | |
| 14.6 | Hazard identification number (Kemler No.) | Added | | |
| 14.6 | 1.6 Classification code (ADR) | | | |

| 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 | |
| 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 | 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 | |

Safety Data Sheet

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

| Abbreviations and acronyms: | | |
|-----------------------------|--|--|
| 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 | |

Other information

: It is recommended to pass the information from this safety data sheet in an appropriate form to the users. The information is currently to the best of our knowledge and believed to be accurate ana reliable. This information relates to the specifically named product and may not be valid in combination with other products.

This safety data sheet is in compliance with 1907/2006/EEC. It is the responsibility of the user to take all necessary measures to meet local required laws and regulations. The producer is not responsible for any damage and loss due to the use of information mentioned in this safety data sheet.

| Full text of H- and EUH-statements: | | |
|-------------------------------------|---|--|
| Aquatic Acute 1 | Hazardous to the aquatic environment – Acute Hazard, Category 1 | |
| Aquatic Chronic 1 | Hazardous to the aquatic environment – Chronic Hazard, Category 1 | |
| Eye Dam. 1 | Serious eye damage/eye irritation, Category 1 | |
| H318 | Causes serious eye damage. | |
| H400 | Very toxic to aquatic life. | |
| H410 | Very toxic to aquatic life with long lasting effects. | |
| H412 | Harmful to aquatic life with long lasting effects. | |

| Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]: | | |
|---|------|--------------------|
| Aquatic Acute 1 | H400 | Calculation method |
| Aquatic Chronic 3 | H412 | Calculation method |

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.