

**SAFETY DATA SHEET**

According to Annex II to REACH - Regulation 2020/878 and to Annex II to UK REACH

**SECTION 1. Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**Code: **120**  
Product name: **Pineline Brushshampoo****1.2. Relevant identified uses of the substance or mixture and uses advised against**Intended use: **Car cleaner****1.3. Details of the supplier of the safety data sheet**Name: **TEKNO-FOREST OY**  
Full address: **Kynttilätie 3**  
District and Country: **11710 Riihimäki Finland**  
Tel.: **(+358)-19-774860**  
Fax: **-**e-mail address of the competent person responsible for the Safety Data Sheet: **info@pineline.com**Supplier: **-****1.4. Emergency telephone number**For urgent inquiries refer to: **-****Emergency number in Finland: 112.**  
**Poison information centre, PL 790, 00029 HUS: tel. 09-471977 or 09-4711.****SECTION 2. Hazards identification****2.1. Classification of the substance or mixture**

The product is classified as hazardous pursuant to the provisions set forth in (EC) Regulation 1272/2008 (CLP) (and subsequent amendments and supplements). The product thus requires a safety datasheet that complies with the provisions of (EU) Regulation 2020/878.

Any additional information concerning the risks for health and/or the environment are given in sections 11 and 12 of this sheet.

Hazard classification and indication:  
Serious eye damage, category 1 H318 Causes serious eye damage.**2.2. Label elements**

Hazard labelling pursuant to EC Regulation 1272/2008 (CLP) and subsequent amendments and supplements.

Hazard pictograms:

Signal words: **Danger**Hazard statements:  
**H318** Causes serious eye damage.Precautionary statements:  
**P261** Avoid breathing dust / fume / gas / mist / vapours / spray.  
**P280** Wear protective gloves / protective clothing / eye protection / face protection.

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**SECTION 2. Hazards identification ... / >>**

|                       |  |
|-----------------------|--|
| <b>P302+P352</b>      | IF ON SKIN: wash with plenty of water / . . .  |
| <b>P305+P351+P338</b> | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| <b>P310</b>           | Immediately call a POISON CENTER / doctor / . . .  |
| <b>Contains:</b>      | SODIUM ALKYL ETHER SULPHATE<br>ALCOHOL ETHOXYLATE<br>ETHANOL   |

**2.3. Other hazards**

On the basis of available data, the product does not contain any PBT or vPvB in percentage  $\geq$  than 0,1%.

The product does not contain substances with endocrine disrupting properties in concentration  $\geq$  0.1%.

**SECTION 3. Composition/information on ingredients**
**3.2. Mixtures**

Contains:

| Identification                     | x = Conc. %     | Classification (EC) 1272/2008 (CLP)                                    |
|------------------------------------|-----------------|--|
| <b>SODIUM ALKYL ETHER SULPHATE</b> |                 |  |
| INDEX                              | $5 \leq x < 10$ | <b>Eye Dam. 1 H318, Skin Irrit. 2 H315, Aquatic Chronic 3 H412</b>     |
| EC                                 |                 |  |
| CAS 161074-79-9                    |                 |  |
| <b>2-(2-BUTOXYETHOXY)ETHANOL</b>   |                 |  |
| INDEX                              | $5 \leq x < 10$ | <b>Eye Irrit. 2 H319</b>   |
| EC                                 |                 |  |
| CAS 203-961-6                      |                 |  |
| CAS 112-34-5                       |                 |  |
| <b>ALCOHOL ETHOXYLATE</b>          |                 |  |
| INDEX                              | $3 \leq x < 5$  | <b>Acute Tox. 4 H302, Eye Dam. 1 H318<br/>LD50 Oral: &gt;300 mg/kg</b> |
| EC                                 |                 |  |
| CAS 69011-36-5                     |                 |  |

The full wording of hazard (H) phrases is given in section 16 of the sheet.

Contains color.

**SECTION 4. First aid measures**
**4.1. Description of first aid measures**

**EYES:** Remove contact lenses, if present. Wash immediately with plenty of water for at least 30-60 minutes, opening the eyelids fully. Get medical advice/attention.

**SKIN:** Remove contaminated clothing. Rinse skin with a shower immediately. Get medical advice/attention.

**INGESTION:** Have the subject drink as much water as possible. Get medical advice/attention. Do not induce vomiting unless explicitly authorised by a doctor.

**INHALATION:** Get medical advice/attention immediately. Remove victim to fresh air, away from the accident scene. If the subject stops breathing, administer artificial respiration. Take suitable precautions for rescue workers.

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

Specific information on symptoms and effects caused by the product are unknown.

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

Information not available

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**SECTION 5. Firefighting measures****5.1. Extinguishing media**

## SUITABLE EXTINGUISHING EQUIPMENT

The extinguishing equipment should be of the conventional kind: carbon dioxide, foam, powder and water spray.

## UNSUITABLE EXTINGUISHING EQUIPMENT

None in particular.

**5.2. Special hazards arising from the substance or mixture**

## HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE

Do not breathe combustion products.

**5.3. Advice for firefighters**

## GENERAL INFORMATION

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations.

## SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

**SECTION 6. Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

Block the leakage if there is no hazard.

Wear suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing. These indications apply for both processing staff and those involved in emergency procedures.

**6.2. Environmental precautions**

Spills of the product must not penetrate into the sewer system or come into contact with surface water or ground water.

**6.3. Methods and material for containment and cleaning up**

Collect the leaked product into a suitable container. Evaluate the compatibility of the container to be used, by checking section 10. Absorb the remainder with inert absorbent material.

Make sure the leakage site is well aired. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

**6.4. Reference to other sections**

Any information on personal protection and disposal is given in sections 8 and 13.

**SECTION 7. Handling and storage****7.1. Precautions for safe handling**

Do not eat, drink or smoke during use. Remove any contaminated clothes and personal protective equipment before entering places in which people eat. Avoid leakage of the product into the environment.

**7.2. Conditions for safe storage, including any incompatibilities**

Store only in the original container. Store in a cool and well ventilated place, keep far away from sources of heat, naked flames and sparks and other sources of ignition. Keep containers away from any incompatible materials, see section 10 for details.

Storage temperature: +5...+30 °C. Self life: 12 months from date of production if stored properly in original sealed containers.

**7.3. Specific end use(s)**

Information not available

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### SECTION 8. Exposure controls/personal protection

#### 8.1. Control parameters

Regulatory References:

|     |                |  |
|-----|----------------|--|
| FIN | Suomi          | HTP-VÄRDEN 2020. Koncentrationer som befunnits skadliga. SOCIAL - OCH HÄLSOVÅRDSDMINISTERIETS PUBLIKATIONER 2020:25  |
| ITA | Italia         | Decreto Legislativo 9 Aprile 2008, n.81  |
| NOR | Norge          | Forskrift om endring i forskrift om tiltaksverdier og grenseverdier for fysiske og kjemiske faktorer i arbeidsmiljøet samt smitterisikogrupper for biologiske faktorer (forskrift om tiltaks- og grenseverdier), 21. august 2018 nr. 1255  |
| SWE | Sverige        | Hygieniska gränsvärden, Arbetsmiljöverkets föreskrifter och allmänna råd om hygieniska gränsvärden (AFS 2018:1)  |
| GBR | United Kingdom | EH40/2005 Workplace exposure limits (Fourth Edition 2020)  |
| EU  | OEL EU         | Directive (EU) 2022/431; Directive (EU) 2019/1831; Directive (EU) 2019/130; Directive (EU) 2019/983; Directive (EU) 2017/2398; Directive (EU) 2017/164; Directive 2009/161/EU; Directive 2006/15/EC; Directive 2004/37/EC; Directive 2000/39/EC; Directive 98/24/EC; Directive 91/322/EEC. |
|     | TLV-ACGIH      | ACGIH 2021   |

#### 2-(2-BUTOXYETHOXY)ETHANOL

##### Threshold Limit Value

| Type      | Country | TWA/8h |     | STEL/15min |     | Remarks / Observations |
|-----------|---------|--------|-----|------------|-----|------------------------|
|           |         | mg/m3  | ppm | mg/m3      | ppm |                        |
| HTP       | FIN     | 68     | 10  |            |     |                        |
| VLEP      | ITA     | 67,5   | 10  | 101,2      | 15  |                        |
| TLV       | NOR     | 68     | 10  |            |     |                        |
| NGV/KGV   | SWE     | 68     | 10  | 101        | 15  |                        |
| WEL       | GBR     | 67,5   | 10  | 101,2      | 15  |                        |
| OEL       | EU      | 67,5   | 10  | 101,2      | 15  |                        |
| TLV-ACGIH |         | 66     | 10  |            |     | INHAL                  |

Legend:

(C) = CEILING ; INHAL = Inhalable Fraction ; RESP = Respirable Fraction ; THORA = Thoracic Fraction.

#### 8.2. Exposure controls

As the use of adequate technical equipment must always take priority over personal protective equipment, make sure that the workplace is well aired through effective local aspiration.

When choosing personal protective equipment, ask your chemical substance supplier for advice.

Personal protective equipment must be CE marked, showing that it complies with applicable standards.

Provide an emergency shower with face and eye wash station.

##### HAND PROTECTION

In the case of prolonged contact with the product, protect the hands with penetration-resistant work gloves (see standard EN 374).

Work glove material must be chosen according to the use process and the products that may form. Latex gloves may cause sensitivity reactions.

##### SKIN PROTECTION

Wear category I professional long-sleeved overalls and safety footwear (see Regulation 2016/425 and standard EN ISO 20344). Wash body with soap and water after removing protective clothing.

##### EYE PROTECTION

Wear airtight protective goggles (see standard EN 166).

##### RESPIRATORY PROTECTION

None required, unless indicated otherwise in the chemical risk assessment.

##### ENVIRONMENTAL EXPOSURE CONTROLS

The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.

### SECTION 9. Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

| Properties | Value  | Information |
|------------|--------|-------------|
| Appearance | liquid |             |
| Colour     | red    |             |

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**SECTION 9. Physical and chemical properties ... / >>**

|  |                           |
|--|---------------------------|
| Odour                                  | ether                     |
| Melting point / freezing point         | not available             |
| Initial boiling point                  | > 100 °C                  |
| Flammability                           | not available             |
| Lower explosive limit                  | not available             |
| Upper explosive limit                  | not available             |
| Flash point                            | Combustion not sustained. |
| Auto-ignition temperature              | not available             |
| Decomposition temperature              | not available             |
| pH                                     | 10.3                      |
| Kinematic viscosity                    | not available             |
| Solubility                             | soluble in water          |
| Partition coefficient: n-octanol/water | not available             |
| Vapour pressure                        | not available             |
| Density and/or relative density        | 1,02                      |
| Relative vapour density                | not available             |
| Particle characteristics               | not applicable            |

**9.2. Other information**

9.2.1. Information with regard to physical hazard classes

**Flammable liquids**

Sustained combustibility does not sustain combustion

9.2.2. Other safety characteristics

Information not available

**SECTION 10. Stability and reactivity**

**10.1. Reactivity**

There are no particular risks of reaction with other substances in normal conditions of use.

**10.2. Chemical stability**

The product is stable in normal conditions of use and storage.

**10.3. Possibility of hazardous reactions**

No hazardous reactions are foreseeable in normal conditions of use and storage.

**2-(2-BUTOXYETHOXY)ETHANOL**

May react with: oxidising substances.May form peroxides with: oxygen.Develops hydrogen on contact with: aluminium.May form explosive mixtures with: air.

**ETHANOL**

Risk of explosion on contact with: alkaline metals,alkaline oxides,calcium hypochlorite,sulphur monofluoride,acetic anhydride,acids,concentrated hydrogen peroxide,perchlorates,perchloric acid,perchloronitrile,mercury nitrate,nitric acid,silver,silver nitrate,ammonia,silver oxide,ammonia,strong oxidising agents,nitrogen dioxide.May react dangerously with: bromoacetylene,chlorine acetylene,bromine trifluoride,chromium trioxide,chromyl chloride,fluorine,potassium tert-butoxide,lithium hydride,phosphorus trioxide,black platinum,zirconium (IV) chloride,zirconium (IV) iodide.Formes explosive mixtures with: air.

**10.4. Conditions to avoid**

None in particular. However the usual precautions used for chemical products should be respected.

**2-(2-BUTOXYETHOXY)ETHANOL**

Avoid exposure to: air.

**ETHANOL**

Avoid exposure to: sources of heat,naked flames.

**10.5. Incompatible materials**

**2-(2-BUTOXYETHOXY)ETHANOL**

Incompatible with: oxidising substances,strong acids,alkaline metals.

**10.6. Hazardous decomposition products**

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**SECTION 10. Stability and reactivity ... / >>**

2-(2-BUTOXYETHOXY)ETHANOL  
 May develop: hydrogen.

**SECTION 11. Toxicological information**

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

Metabolism, toxicokinetics, mechanism of action and other information

Information not available

Information on likely routes of exposure

2-(2-BUTOXYETHOXY)ETHANOL  
 WORKERS: inhalation; contact with the skin.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

2-(2-BUTOXYETHOXY)ETHANOL  
 May be absorbed by inhalation, ingestion and skin contact; is irritating for the skin and especially for the eyes. May cause damage to the spleen. At room temperature the danger of inhalation is unlikely, due to the low vapour pressure of the substance.

Interactive effects

Information not available

ACUTE TOXICITY

|                                  |   |
|----------------------------------|---|
| ATE (Inhalation) of the mixture: | Not classified (no significant component) |
| ATE (Oral) of the mixture:       | >2000 mg/kg                               |
| ATE (Dermal) of the mixture:     | Not classified (no significant component) |

|   |            |
|---|------------|
| SODIUM ALKYL ETHER SULPHATE<br>LD50 (Oral): | 2730 mg/kg |
|---|------------|

|   |                   |
|---|-------------------|
| 2-(2-BUTOXYETHOXY)ETHANOL<br>LD50 (Dermal): | 2700 mg/kg Rabbit |
| LD50 (Oral):                                | 3384 mg/kg Rat    |

|                                    |             |
|------------------------------------|-------------|
| ALCOHOL ETHOXYLATE<br>LD50 (Oral): | > 300 mg/kg |
|------------------------------------|-------------|

|                            |                  |
|----------------------------|------------------|
| ETHANOL<br>LD50 (Oral):    | > 5000 mg/kg Rat |
| LC50 (Inhalation vapours): | 117 mg/l/4h Rat  |

SKIN CORROSION / IRRITATION

Does not meet the classification criteria for this hazard class

SERIOUS EYE DAMAGE / IRRITATION

Causes serious eye damage

RESPIRATORY OR SKIN SENSITISATION

Does not meet the classification criteria for this hazard class

GERM CELL MUTAGENICITY

Does not meet the classification criteria for this hazard class

CARCINOGENICITY

Does not meet the classification criteria for this hazard class

REPRODUCTIVE TOXICITY

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**SECTION 11. Toxicological information ... / >>**

Does not meet the classification criteria for this hazard class

STOT - SINGLE EXPOSURE

Does not meet the classification criteria for this hazard class

STOT - REPEATED EXPOSURE

Does not meet the classification criteria for this hazard class

ASPIRATION HAZARD

Does not meet the classification criteria for this hazard class

**11.2. Information on other hazards**

Based on the available data, the product does not contain substances listed in the main European lists of potential or suspected endocrine disruptors with human health effects under evaluation.

**SECTION 12. Ecological information**

**12.1. Toxicity**

SODIUM ALKYL ETHER SULPHATE  
 LC50 - for Fish 7,1 mg/l/96h  
 Chronic NOEC for Fish 0,14 mg/l

ALCOHOL ETHOXYLATE  
 LC10 for Fish > 1 mg/l/96h

**12.2. Persistence and degradability**

SODIUM ALKYL ETHER SULPHATE  
 Rapidly degradable

ALCOHOL ETHOXYLATE  
 Rapidly degradable

2-(2-BUTOXYETHOXY)ETHANOL  
 Solubility in water 1000 - 10000 mg/l  
 Rapidly degradable

ETHANOL  
 Solubility in water 1000 - 10000 mg/l  
 Rapidly degradable

**12.3. Bioaccumulative potential**

2-(2-BUTOXYETHOXY)ETHANOL  
 Partition coefficient: n-octanol/water 1

ETHANOL  
 Partition coefficient: n-octanol/water -0,35

**12.4. Mobility in soil**

Information not available

**12.5. Results of PBT and vPvB assessment**

On the basis of available data, the product does not contain any PBT or vPvB in percentage  $\geq$  than 0,1%.

**12.6. Endocrine disrupting properties**

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### SECTION 12. Ecological information ... / >>

Based on the available data, the product does not contain substances listed in the main European lists of potential or suspected endocrine disruptors with environmental effects under evaluation.

#### 12.7. Other adverse effects

Information not available

### SECTION 13. Disposal considerations

#### 13.1. Waste treatment methods

Reuse, when possible. Product residues should be considered special hazardous waste. The hazard level of waste containing this product should be evaluated according to applicable regulations.

Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.

CONTAMINATED PACKAGING

Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

### SECTION 14. Transport information

The product is not dangerous under current provisions of the Code of International Carriage of Dangerous Goods by Road (ADR) and by Rail (RID), of the International Maritime Dangerous Goods Code (IMDG), and of the International Air Transport Association (IATA) regulations.

#### 14.1. UN number or ID number

not applicable

#### 14.2. UN proper shipping name

not applicable

#### 14.3. Transport hazard class(es)

not applicable

#### 14.4. Packing group

not applicable

#### 14.5. Environmental hazards

not applicable

#### 14.6. Special precautions for user

not applicable

#### 14.7. Maritime transport in bulk according to IMO instruments

Information not relevant

### SECTION 15. Regulatory information

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

Seveso Category - Directive 2012/18/EU: None

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006

Product

Point 3 - 40

Contained substance

Point 55-75 2-(2-BUTOXYETHOXY)ETHANOL

Regulation (EU) 2019/1148 - on the marketing and use of explosives precursors

not applicable



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**SECTION 15. Regulatory information** ... / >>

Substances in Candidate List (Art. 59 REACH)

On the basis of available data, the product does not contain any SVHC in percentage  $\geq$  than 0,1%.

Substances subject to authorisation (Annex XIV REACH)

None

Substances subject to exportation reporting pursuant to Regulation (EU) 649/2012:

None

Substances subject to the Rotterdam Convention:

None

Substances subject to the Stockholm Convention:

None

Healthcare controls

Workers exposed to this chemical agent must not undergo health checks, provided that available risk-assessment data prove that the risks related to the workers' health and safety are modest and that the 98/24/EC directive is respected.

**15.2. Chemical safety assessment**

A chemical safety assessment has not been performed for the preparation/for the substances indicated in section 3.

**SECTION 16. Other information**

Text of hazard (H) indications mentioned in section 2-3 of the sheet:

|                          |  |
|--------------------------|--|
| <b>Acute Tox. 4</b>      | Acute toxicity, category 4   |
| <b>Eye Dam. 1</b>        | Serious eye damage, category 1                                     |
| <b>Eye Irrit. 2</b>      | Eye irritation, category 2   |
| <b>Skin Irrit. 2</b>     | Skin irritation, category 2  |
| <b>Aquatic Chronic 3</b> | Hazardous to the aquatic environment, chronic toxicity, category 3 |
| <b>H302</b>              | Harmful if swallowed.  |
| <b>H318</b>              | Causes serious eye damage.   |
| <b>H319</b>              | Causes serious eye irritation.                                     |
| <b>H315</b>              | Causes skin irritation.  |
| <b>H412</b>              | Harmful to aquatic life with long lasting effects.                 |

**LEGEND:**

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- ATE: Acute Toxicity Estimate
- CAS: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE: Identifier in ESIS (European archive of existing substances)
- CLP: Regulation (EC) 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent bioaccumulative and toxic as REACH Regulation
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PNEC: Predicted no effect concentration
- REACH: Regulation (EC) 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA: Time-weighted average exposure limit
- TWA STEL: Short-term exposure limit
- VOC: Volatile organic Compounds

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- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation
- WGK: Water hazard classes (German).

**GENERAL BIBLIOGRAPHY**

1. Regulation (EC) 1907/2006 (REACH) of the European Parliament
2. Regulation (EC) 1272/2008 (CLP) of the European Parliament
3. Regulation (EU) 2020/878 (II Annex of REACH Regulation)
4. Regulation (EC) 790/2009 (I Atp. CLP) of the European Parliament
5. Regulation (EU) 286/2011 (II Atp. CLP) of the European Parliament
6. Regulation (EU) 618/2012 (III Atp. CLP) of the European Parliament
7. Regulation (EU) 487/2013 (IV Atp. CLP) of the European Parliament
8. Regulation (EU) 944/2013 (V Atp. CLP) of the European Parliament
9. Regulation (EU) 605/2014 (VI Atp. CLP) of the European Parliament
10. Regulation (EU) 2015/1221 (VII Atp. CLP) of the European Parliament
11. Regulation (EU) 2016/918 (VIII Atp. CLP) of the European Parliament
12. Regulation (EU) 2016/1179 (IX Atp. CLP)
13. Regulation (EU) 2017/776 (X Atp. CLP)
14. Regulation (EU) 2018/669 (XI Atp. CLP)
15. Regulation (EU) 2019/521 (XII Atp. CLP)
16. Delegated Regulation (UE) 2018/1480 (XIII Atp. CLP)
17. Regulation (EU) 2019/1148
18. Delegated Regulation (UE) 2020/217 (XIV Atp. CLP)
19. Delegated Regulation (UE) 2020/1182 (XV Atp. CLP)
20. Delegated Regulation (UE) 2021/643 (XVI Atp. CLP)
21. Delegated Regulation (UE) 2021/849 (XVII Atp. CLP)
22. Delegated Regulation (UE) 2022/692 (XVIII Atp. CLP)

- The Merck Index. - 10th Edition
- Handling Chemical Safety
- INRS - Fiche Toxicologique (toxicological sheet)
- Patty - Industrial Hygiene and Toxicology
- N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition
- IFA GESTIS website
- ECHA website
- Database of SDS models for chemicals - Ministry of Health and ISS (Istituto Superiore di Sanità) - Italy

**Note for users:**

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.

Provide appointed staff with adequate training on how to use chemical products.

**CALCULATION METHODS FOR CLASSIFICATION**

Chemical and physical hazards: Product classification derives from criteria established by the CLP Regulation, Annex I, Part 2. The data for evaluation of chemical-physical properties are reported in section 9.

Health hazards: Product classification is based on calculation methods as per Annex I of CLP, Part 3, unless determined otherwise in Section 11.

Environmental hazards: Product classification is based on calculation methods as per Annex I of CLP, Part 4, unless determined otherwise in Section 12.

Changes to previous review:

The following sections were modified:

02 / 03 / 11 / 12.