

## SAFETY DATA SHEET

### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

**1.1. Product identifier:**

**PRESTONE COOLANT -37°C ready to use**

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

Ready-to-use coolant for consumer and professional use.  
Uses advised against: not specified.

**1.3. Details of the supplier of the safety data sheet:**

Information about the distributor:

**AUTODOC SE**

Josef-Orlopp-Str. 55, 10365 Berlin  
Germany  
Tel: +49 30 2202 6998

Information about the manufacturer:

PPH PARYS Sp. z o.o.  
ul. A. Walentynowicz 1, 20-328 Lublin  
tel. +48 81 443 12 10, fax +48 81 443 12 55  
e-mail: sekretariat@parys.pl

1.3.1. Responsible person: -

E-mail: [info1@autodoc.de](mailto:info1@autodoc.de)

**1.4. Emergency telephone number:**

**United Kingdom: National Poisons Information Service (NPIS)**

NHS 111 (England), NHS 24 (Scotland) or NHS Direct (Wales) – dial 111  
In Northern Ireland contact your local GP  
Healthcare Professionals: UK NPIS 0344 892 0111

**Belgium:**

**Belgian Poison Control Center**

Tel: 070 245 245 (free of charge)  
8002 5500, from the Grand Duchy of Luxembourg

### SECTION 2: HAZARDS IDENTIFICATION

**2.1. Classification of the substance or mixture:**

Classification according to Regulation (EC) No 1272/2008 (CLP):

Acute toxicity (oral), Hazard Category 4 – H302

Skin corrosion/irritation, Hazard Category 2 – H315

Serious eye damage/eye irritation, Hazard Category 2 – H319

Specific target organ toxicity – Repeated exposure, Hazard Category 2 – H373

**Hazard statements:**

**H302** – Harmful if swallowed.

**H315** – Causes skin irritation.

**H319** – Causes serious eye irritation.

**H373** – May cause damage to organs through prolonged or repeated exposure.

## 2.2. Label elements:

Components that define the hazards: Ethanediol



### Hazard statements:

**H302** – Harmful if swallowed.

**H315** – Causes skin irritation.

**H319** – Causes serious eye irritation.

**H373** – May cause damage to organs through prolonged or repeated exposure.

### Precautionary statements:

**P102** – Keep out of reach of children.

**P260** – Do not breathe vapours.

**P301 + P312** – IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.

**P330** – Rinse mouth.

**P302 + P352** – IF ON SKIN: Wash with plenty of water.

**P305 + P351 + P338** – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**P501** – Dispose of contents/container in accordance with national regulations

## 2.3. Other hazards:

The product has no other known specific hazards for human or environment.

The ingredients of the product do not meet the criteria for PBT or vPvB substances in accordance with Annex XIII of Regulation 1907/2006/EC.

Endocrine disrupting property: The mixture does not contain any components considered to have endocrine disrupting properties in accordance with Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1. Substances:

Not applicable.

### 3.2. Mixtures:

Hazardous ingredients:

Description	CAS number	EC number / ECHA list number	REACH registration number	Conc. (%)	Classification according to Regulation (EC) No 1272/2008 (CLP)		
					Pictogram, signal word code(s)	Hazard class and category code(s)	Hazard statement code(s)
<b>Ethanediol*/**</b> Index number: 603-027-00-1	107-21-1	203-473-3	01-2119456816-28-xxxx	45 – 55	GHS07 GHS08 Warning	Acute Tox. 4 STOT RE 2	H302 H373
<b>Heptanoic acid**</b> Index number: 607-196-00-2	111-14-8	203-838-7	-	0.5 – <2	GHS05 GHS07 Danger	Acute Tox. 4 Skin Corr. 1B Eye Dam. 1 STOT SE 3	H332 H314 H318 H335
<b>Sodium hydroxide*</b> Index number: 011-002-00-6	1310-73-2	215-185-5	01-2119457892-27-xxxx	0.5 – <1	GHS05 Danger	Skin Corr. 1A	H314

<b>Sodium 4(or 5)-methyl-1H-benzotriazole***</b>	64665-57-2	265-004-9	01-2119980062-42-0000	<0.3	GHS07 GHS05 GHS08 GHS09 Danger	Acute Tox. 4 Skin Corr. 1A Eye Dam. 1 Repr. 2 Aquatic Chronic 2	H302 H314 H318 H361 H411
<b>Phosphoric acid</b> Index number: 015-011-00-6	7664-38-2	231-633-2	01-2119485924-24-XXXX	<0.2	GHS05 Danger	Skin Corr. 1B	H314

\*: Substance having occupational exposure limit value.

\*\* : Classification specified by the manufacturer that includes other classification in addition to the classification specified by Regulation (EC) No 1272/2008.

\*\*\*: Classification specified by the manufacturer; the substance is not listed in Annex VI of the Regulation (EC) No 1272/2008.

Specific concentration limits:

**Sodium hydroxide** (CAS: 1310-73-2):

Skin Corr. 1A; H314: C ≥ 5 %

Skin Corr. 1B; H314: 2 % ≤ C < 5 %

Skin Irrit. 2; H315: 0,5 % ≤ C < 2 %

Eye Irrit. 2; H319: 0,5 % ≤ C < 2 %

**Phosphoric acid** (CAS: 7664-38-2):

Skin Corr. 1B; H314: C ≥ 25 %

Skin Irrit. 2; H315: 10 % ≤ C < 25 %

Eye Irrit. 2; H319: 10 % ≤ C < 25 %

For the full text of hazard statements, see Section 16.

## SECTION 4: FIRST AID MEASURES

### 4.1. Description of first aid measures:

**General information:** Ensure the safety of first aid responders.

Remove contaminated clothing.

#### INGESTION:

Measures:

- Do not induce vomiting.
- Rinse mouth with plenty of water.
- Contact a doctor.

#### INHALATION:

Measures:

- Remove from the danger zone, take the victim into fresh air.
- If unconscious, place the victim in the recovery position, ensure that the airways are clear, and seek medical assistance immediately.

#### SKIN CONTACT:

Measures:

- Wash contaminated skin with water and rinse thoroughly.
- Seek medical attention.

#### EYE CONTACT:

Measures:

- Rinse eyes for several minutes with plenty of water, keeping eyelids wide open.
- Avoid strong jets of water due to the risk of corneal damage.
- Contact a doctor.

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

Acute symptoms of exposure to ethylene glycol include headache, dizziness, nausea, vomiting, weakness, loss of coordination, visual disturbances, drowsiness, confusion, or disorientation. Inhalation exposure to concentrated glycol vapours may cause respiratory tract irritation, eye irritation, and kidney dysfunction. Ingestion may cause central nervous system disorders (loss of consciousness, convulsions, cerebral oedema), cardiovascular disorders (heart failure, blood pressure disorders), pulmonary oedema, and kidney disorders.

Contact with the eyes may cause irritation, pain, and redness.

Contact with skin may cause irritation, redness.

- 4.3. **Indication of any immediate medical attention and special treatment needed:**  
The treatment method is decided by the doctor after assessing the condition of the injured person. Symptomatic treatment.

## SECTION 5: FIREFIGHTING MEASURES

- 5.1. **Extinguishing media:**  
5.1.1. **Suitable extinguishing media:**  
Water mist, carbon dioxide, dry extinguishing agents, foam.  
Choose extinguishing media depending on surrounding fire.  
5.1.2. **Unsuitable extinguishing media:**  
High water jet.  
5.2. **Special hazards arising from the substance or mixture:**  
In case of fire, smoke and other combustion products (containing carbon oxides and unidentified organic compounds) may be formed; the inhalation of such combustion products can have serious adverse effects on health.  
5.3. **Advice for firefighters:**  
Cool containers in the fire zone with a dispersed water stream and, if possible, remove them from the danger zone.  
Do not allow firefighting water to enter surface water, groundwater, or sewage systems.  
In the event of a fire in an enclosed space, wear protective clothing and a compressed air breathing apparatus.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

- 6.1. **Personal precautions, protective equipment and emergency procedures:**  
6.1.1. **For non-emergency personnel:**  
Allow only well-trained experts wearing suitable protective clothing to abide in the field of accident.  
Notify the appropriate emergency services. Remove persons not involved in the emergency response from the danger zone. Avoid contact with the released product.  
6.1.2. **For emergency responders:**  
Ensure adequate ventilation.  
Wear appropriate personal protective equipment (in accordance with Section 8).  
6.2. **Environmental precautions:**  
Dispose of the spillage and the resulting waste according to the applicable environmental regulations. Do not allow the product and the resulting waste to enter sewers/soil/surface or ground water. Notify the respective authorities in accordance with local law in the case of environmental pollution immediately.  
6.3. **Methods and material for containment and cleaning up:**  
Prevent spreading and remove by collecting on absorbent material (sand, sawdust, silica earth, universal absorbent), neutralise the contaminated area, place the contaminated material in appropriately labelled containers for disposal in accordance with applicable regulations.  
6.4. **Reference to other sections:**  
For further and detailed information see Sections 8 and 13.

## SECTION 7: HANDLING AND STORAGE

- 7.1. **Precautions for safe handling:**  
Observe conventional hygiene precautions.  
Avoid inhaling vapours.  
Avoid contact with eyes and skin.  
Observe the pertinent regulations on industrial safety and basic hygiene rules.  
Do not eat, drink, or smoke when using this product.  
Wash hands after use.  
Remove contaminated clothes and personal protective equipment before entering in dining areas.  
**Technical measures:**  
Ensure adequate ventilation.  
Wear appropriate personal protective equipment (in accordance with Section 8).  
**Precautions against fire and explosion:**  
Keep away from sources of ignition, open flames, do not smoke while working with the product.

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

**Technical measures and storage condition:**

Store in a cool, dry, well-ventilated place.  
 Store in a properly labelled, tightly closed, original container.  
 Protect from overheating and direct sunlight.  
 Do not store together with oxidising agents and strong acids.  
 Do not store together with foodstuffs.

**Incompatible materials:** See Section 10.5.

**Packaging material:** No special prescriptions.

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

Applications in accordance with section 1.2 – no additional recommendations.

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

**8.1. Control parameters:**

**Occupational exposure limit values**

**United Kingdom** (EH40/2005 Workplace Exposure Limits):

**Ethanediol** (CAS: 107-21-1): particulate: long-term: 10 mg/m<sup>3</sup>  
 vapours: long-term: 20 ppm, 52 mg/m<sup>3</sup>; short-term: 40 ppm, 104 mg/m<sup>3</sup>

**Sodium hydroxide** (CAS: 1310-73-2): Short-term: 2 mg/m<sup>3</sup>

**Phosphoric acid** (CAS: 7664-38-2): Long-term: 1 mg/m<sup>3</sup>; Short-term: 2 mg/m<sup>3</sup>

**Belgium** (Code of Well-being at Work: Book VI.- Chemical agents, carcinogens, mutagens, reprotoxic agents, and agents with endocrine-disrupting properties (M.B. 10.6.2024):

**Ethanediol** (CAS: 107-21-1): aerosol: limit value: 20 ppm, 50 mg/m<sup>3</sup>; short-term: 40 ppm, 104 mg/m<sup>3</sup>

**Sodium hydroxide** (CAS: 1310-73-2): Limit value: 2 mg/m<sup>3</sup>

**Phosphoric acid** (CAS: 7664-38-2): Limit value: 1 mg/m<sup>3</sup>; Short-term: 2 mg/m<sup>3</sup>

**Ethanediol** (CAS: 107-21-1):

DNEL values		Oral exposure		Dermal exposure		Inhalative exposure	
		Short term (acute)	Long term (chronic)	Short term (acute)	Long term (chronic)	Short term (acute)	Long term (chronic)
Consumer	Local	no data	no data	no data	no data	no data	no data
	Systemic	no data	no data	no data	53 mg/kg	no data	7 mg/m <sup>3</sup>
Worker	Local	no data	no data	no data	no data	no data	no data
	Systemic	no data	no data	no data	106 mg/kg	no data	35 mg/m <sup>3</sup>

PNEC values		
Compartment	Value	Note(s)
Freshwater	10 mg/l	no notes
Marine water	1 mg/l	no notes
Freshwater sediment	20.9 mg/kg	no notes
Marine water sediment	no data	no notes
Sewage Treatment Plant (STP)	199 mg/l	no notes
Intermittent release	no data	no notes
Secondary poisoning	no data	no notes
Soil	no data	no notes

**Heptanoic acid (CAS: 111-14-8):**

DNEL values		Oral exposure		Dermal exposure		Inhalative exposure	
		Short term (acute)	Long term (chronic)	Short term (acute)	Long term (chronic)	Short term (acute)	Long term (chronic)
Consumer	Local	no data	no data	no data	no data	no data	no data
	Systemic	no data	5 mg/kg	no data	5 mg/kg	no data	8.7 mg/m <sup>3</sup>
Worker	Local	no data	no data	no data	no data	no data	no data
	Systemic	no data	no data	no data	14 mg/kg	no data	98.7 mg/m <sup>3</sup>

PNEC values		
Compartment	Value	Note(s)
Freshwater	0.4 mg/l	no notes
Marine water	0.04 mg/l	no notes
Freshwater sediment	2.08 mg/kg	no notes
Marine water sediment	0.21 mg/kg	no notes
Sewage Treatment Plant (STP)	1000 mg/l	no notes
Intermittent release	0.61 mg/l	no notes
Secondary poisoning	no data	no notes
Soil	0.12 mg/kg	no notes

**8.2. Exposure controls:**

In case of a hazardous material with no controlled concentration limit it is the employer's duty to keep concentration levels down to a minimum achievable by existing scientific and technological means, where the hazardous substance poses no harm to workers.

**8.2.1. Appropriate engineering controls:**

In pursuance of work is proper foresight needed to avoid leaking onto clothes and floors and to avoid contact with eyes and skin. Ensure effective general ventilation of the room.

**8.2.2. Individual protection measures, such as personal protective equipment:**

Observe the general safety regulations when handling chemicals.

Wash hands before breaks and at the end of the work.

Remove contaminated clothing and wash before reuse.

1. **Eye/face protection:** Use appropriate protective glasses or face protection (EN ISO 16321-1:2022; EN 166).

2. **Skin protection:**

a. **Hand protection:** Use appropriate, chemical resistant protective gloves (EN 374).

Recommended materials: nitrile rubber, neoprene, PVC.

Material thickness: ≥0.4 mm,

Penetration time: short-term contact: >240 min. (performance index: 5); long-term contact: ≥480 min. (performance index: 6).

The selection of suitable gloves does not only depend on the material, but also on further marks of quality which may vary from manufacturer to manufacturer.

The resistance of the glove material cannot be calculated in advance and has therefore to be checked before use.

b. **Other:** Use appropriate work clothes.

3. **Respiratory protection:** Not required under normal working conditions. In case of insufficient ventilation, use respiratory protection (filter mask or type A organic vapour absorber).

4. **Thermal hazards:** No thermal hazards known.

**8.2.3. Environmental exposure controls:**

Do not allow to disperse in the environment and enter drains and watercourses.

**The requirements detailed in Section 8 assume skilled work under normal conditions and usage of the product for appropriate aims. If conditions differ from normal or work is carried out under extreme conditions, an expert's advice is necessary before deciding upon further protective measures.**

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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

Parameter	Value / Test method / Remarks
1. Physical state	liquid
2. Colour	yellow
3. Odour, odour threshold	characteristic
4. Melting point/freezing point	-37 °C
5. Boiling point or initial boiling point and boiling range	no data*
6. Flammability	not flammable
7. Lower and upper explosion limit	no data*
8. Flash point	no data*
9. Auto-ignition temperature	no data*
10. Decomposition temperature	not applicable
11. pH	8 – 9
12. Kinematic viscosity	no data*
13. Solubility in water in other solvents	soluble no data*
14. Partition coefficient n-octanol/water (log value)	not applicable (mixture)
15. Vapour pressure	no data*
16. Density and/or relative density	1,07 g/cm <sup>3</sup>
17. Relative vapour density	no data*
18. Particle characteristics	not applicable

### 9.2. Other information:

#### 9.2.1. Information with regard to physical hazard classes:

#### 9.2.2. Other safety characteristics:

No other characteristics available.

\*: The manufacturer did not carry out any tests on this parameter for the product or the results of the tests are not available at the time of publication of the data sheet, or the property is not applicable for the product.

## SECTION 10: STABILITY AND REACTIVITY

### 10.1. Reactivity:

Not reactive under normal conditions of use and storage.

### 10.2. Chemical stability:

Stable under normal conditions of use, storage and transport.

### 10.3. Possibility of hazardous reactions:

No hazardous reactions known.

### 10.4. Conditions to avoid:

Keep away from sources of ignition and open flames. Protect from overheating.

### 10.5. Incompatible materials:

Avoid contact with strong acids or strong oxidising agents such as chlorates, nitrates(V), peroxides, etc.

### 10.6. Hazardous decomposition products:

No decomposition if used and stored as recommended.

Thermal decomposition products – see Section 5.

## SECTION 11: TOXICOLOGICAL INFORMATION

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

**Acute toxicity:** Harmful if swallowed.

**Skin corrosion/irritation:** Causes skin irritation.

**Serious eye damage/irritation:** Causes serious eye irritation.

**Respiratory or skin sensitisation:** Based on available data, the classification criteria are not met.

**Germ cell mutagenicity:** Based on available data, the classification criteria are not met.

**Carcinogenicity:** Based on available data, the classification criteria are not met.

**Reproductive toxicity:** Based on available data, the classification criteria are not met.

**STOT-single exposure:** Based on available data, the classification criteria are not met.

**STOT-repeated exposure:** May cause damage to organs through prolonged or repeated exposure.

**Aspiration hazard:** Based on available data, the classification criteria are not met.

#### 11.1.1. **Summaries of the information derived from the test conducted:**

No data available.

#### 11.1.2. **Relevant toxicological properties:**

Information about the product:

Acute toxicity:

oral: ATE = 900 – 1100 mg/kg

Information about the components:

**Ethanediol** (CAS: 107-21-1):

Acute toxicity:

LD<sub>50</sub> (oral, rat): 4700 mg/kg

LD<sub>50</sub> (oral, mouse): 5500 mg/kg

LD<sub>50</sub> (dermal, rabbit): 9530 mg/kg

LC<sub>50</sub> (inhalation, rat): 10,876 mg/m<sup>3</sup>

TLC<sub>0</sub> (inhalation, human): 10,000 mg/m<sup>3</sup>

TLD<sub>0</sub> (oral, human): 1195 mg/kg

LDL<sub>0</sub> (oral, human): 398 - 786 mg/kg

**Heptanoic acid** (CAS: 111-14-8):

Acute toxicity:

LD<sub>50</sub> (oral, rat): 7000 mg/kg

LD<sub>50</sub> (dermal, rabbit): >2000 mg/kg

LC<sub>50</sub> (inhalation, rat): >4.6 mg/l/4 hours

#### 11.1.3. **Information on likely routes of exposure:**

Ingestion, inhalation, skin contact, eye contact.

#### 11.1.4. **Symptoms related to the physical, chemical and toxicological characteristics:**

No data available.

#### 11.1.5. **Delayed and immediate effects as well as chronic effects from short and long-term exposure:**

Harmful if swallowed.

Causes skin irritation.

Causes serious eye irritation.

May cause damage to organs through prolonged or repeated exposure.

#### 11.1.6. **Interactive effects:**

No data available.

#### 11.1.7. **Absence of specific data:**

No information.

### 11.2. Information on other hazards:

**Endocrine disrupting properties:**

Endocrine disrupting property: The mixture does not contain any components considered to have endocrine disrupting properties in accordance with Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

**Other information:**

No data available.

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1. **Toxicity:**

The mixture is not classified as hazardous for the environment.

Do not allow to enter groundwater, drains or watercourses.

Information about the components:

**Ethanediol** (CAS: 107-21-1):

LC<sub>50</sub> (Salmo gairdneri): 18,500 mg/l/96 hours

EC<sub>50</sub> (Daphnia magna): >10,000 mg/l/48 hours

Toxic limit concentrations:

Crustaceans (Daphnia magna): 2500 mg/l

Algae (Microcystis aeruginosa): 2000 mg/l

Bacteria (Pseudomonas putida): >1000 mg/l

Protozoa (Colpoda): 250 mg/l

**Heptanoic acid** (CAS: 111-14-8):

LC<sub>50</sub> (Pimephales promelas): >92 mg/l/96 hour

### 12.2. **Persistence and degradability:**

Information about the components:

**Ethanediol** (CAS: 107-21-1):

Biodegradation: readily biodegradable.

### 12.3. **Bioaccumulative potential:**

Information about the components:

**Ethanediol** (CAS: 107-21-1):

log Pow: -1.36

**Heptanoic acid** (CAS: 111-14-8):

log Pow: 2.72

### 12.4. **Mobility in soil:**

No data available.

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

The ingredients of the product do not meet the criteria for PBT or vPvB substances in accordance with Annex XIII of Regulation 1907/2006/EC.

### 12.6. **Endocrine disrupting properties:**

Endocrine disrupting property: The mixture does not contain any components considered to have endocrine disrupting properties in accordance with Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

### 12.7. **Other adverse effects:**

No data available.

## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1. **Waste treatment methods:**

Disposal according to the local regulations.

#### 13.1.1. **Information regarding the disposal of the product:**

Waste disposal should be carried out by specialised companies.

Store residues in their original containers. Dispose of in accordance with applicable regulations.

**List of Waste Code:**

No waste disposal key according to the List of Waste Code (LoW code) can be determined for this product, as only the purpose of application defined by the user enables an allocation. The LoW code number has to be determined after a discussion with a waste disposal specialist.

#### 13.1.2. **Information regarding the disposal of the packaging:**

Empty, used packaging should be disposed of, including recycling, in accordance with applicable regulations.

**List of Waste Code:**

15 01 02 plastic packaging

#### 13.1.3. **Physical/chemical properties that may affect waste treatment options shall be specified:**

No data available.

#### 13.1.4. **Sewage disposal:**

No data available.

#### 13.1.5. **Special precautions for any recommended waste treatment:**

No data available.

## SECTION 14: TRANSPORT INFORMATION

**ADR/RID; ADN; IMDG; IATA:**

Not subject to the conventions of carriage of dangerous goods.

- 14.1. **UN number or ID number:**  
No UN or ID number.
- 14.2. **UN proper shipping name:**  
No proper shipping name.
- 14.3. **Transport hazard class(es):**  
No transport hazard classes.
- 14.4. **Packing group:**  
No packing group.
- 14.5. **Environmental hazards:**  
Not applicable.
- 14.6. **Special precautions for user:**  
No relevant information available.
- 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:**

**REGULATION (EC) No 1907/2006** OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive (EC) No 1999/45 and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive (EEC) No 76/769 and Commission Directives (EEC) No 91/155, (EEC) No 93/67, (EC) No 93/105 and (EC) No 2000/21

**REGULATION (EC) No 1272/2008** OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives (EEC) No 67/548 and (EC) No 1999/45, and amending Regulation (EC) No 1907/2006

**COMMISSION REGULATION (EU) 2020/878** of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

The mixture does not contain any substance listed in Annex XIV of Regulation (EC) No 1907/2006 (REACH) (List of substances subject to authorisation).

The mixture does not contain SVHC (substances of very high concern) substances.

The mixture does not contain any substance listed in Annex XVII to Regulation (EC) No 1907/2006 of the European Parliament and of the Council.

- 15.2. **Chemical safety assessment:** Has not been carried out.

## SECTION 16: OTHER INFORMATION

**Information regarding the revision of the safety data sheet:** No information.

**Literature references / data sources:**

Safety data sheet issued by the manufacturer (27. 10. 2023, version 2.0, PL)

**Methods used for the classification according to Regulation (EC) No 1272/2008:**

Classification	Method
Acute toxicity (oral), Hazard Category 4 – H302	Based on calculation method
Skin corrosion/irritation, Hazard Category 2 – H315	Based on calculation method
Serious eye damage/eye irritation, Hazard Category 2 – H319	Based on calculation method
Specific target organ toxicity – Repeated exposure, Hazard Category 2 – H373	Based on calculation method

**Relevant hazard statements (code and full text) of Sections 2 and 3:**

**H302** – Harmful if swallowed.

**H314** – Causes severe skin burns and eye damage.

**H315** – Causes skin irritation.

**H318** – Causes serious eye damage.

**H319** – Causes serious eye irritation.

**H332** – Harmful if inhaled.

**H335** – May cause respiratory irritation.

**H361** – Suspected of damaging fertility or the unborn child <state specific effect if known> <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.

**H373** – May cause damage to organs <or state all organs affected, if known> through prolonged or repeated exposure <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.

**H411** – Toxic to aquatic life with long lasting effects.

**Training advice:** Before beginning to work with the product, it is mandatory to provide employees with health and safety training in relation to the chemical agents present in the work environment. Prepare, document and inform employees with the results of the occupational risk assessment for workplaces involving chemical agents.

**Full text of the abbreviations in the safety data sheet:**

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.

ADR: Agreement concerning the International Carriage of Dangerous Goods by Road.

ATE: Acute Toxicity Estimate.

AOX: Adsorbable organic halides.

BCF: Bioconcentration factor.

BOD: Biological Oxygen Demand.

CAS number: Chemical Abstract Service number.

CLP: Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures.

CMR effects: Carcinogenic, mutagenic, reprotoxic effects.

COD: Chemical Oxygen Demand.

CSA: Chemical Safety Assessment.

CSR: Chemical Safety Report.

DNEL: Derived-No-Effect-Level.

ECHA: European Chemical Agency.

EC: European Community.

EC number: EINECS and ELINCS numbers (see also EINECS and ELINCS).

EEC: European Economic Community.

EEA: European Economic Area (EU + Iceland, Liechtenstein and Norway).

EINECS: European Inventory of Existing Commercial Chemical Substances.

ELINCS: European List of Notified Chemical Substances.

EN: European Norm.

EU: European Union.

EuPCS: European Product Categorisation System.

EWC: European Waste Catalogue (replaced by LoW – see below).

GHS: Globally Harmonized System of Classification and Labelling of Chemicals.

IATA: International Air Transport Association.

ICAO-TI: Technical Instructions for the Safe Transport of Dangerous Goods by Air.

IMDG: International Maritime Dangerous Goods.

IMO: International Maritime Organization.

IMSBC: International Maritime Solid Bulk Cargoes.

IUCLID: International Uniform Chemical Information Database.

IUPAC: International Union of Pure and Applied Chemistry.

Kow: n-Octanol - Water Partition Coefficient.

LC50: Lethal concentration resulting in 50 % mortality.

LD50: Lethal dose resulting in 50 % mortality (median lethal dose).

LoW: List of Waste.  
LOEC: Lowest Observed Effect Concentration.  
LOEL: Lowest Observed Effect Level.  
NOEC: No Observed Effect Concentration.  
NOEL: No Observed Effect Level.  
NOAEC: No Observed Adverse Effect Concentration.  
NOAEL: No Observed Adverse Effect Level.  
OECD: Organization for Economic Cooperation and Development.  
OSHA: Occupational Safety and Health Administration.  
PBT: Persistent, Bioaccumulative and Toxic.  
PNEC: Predicted No Effect Concentration.  
QSAR: Quantitative Structure Activity Relationship.  
REACH: Regulation 1907/2006/EC concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals.  
RID: Regulations Concerning the International Transport of Dangerous Goods by Rail.  
SCBA: Self Contained Breathing Apparatus.  
SDS: Safety Data Sheet.  
STOT: Specific Target Organ Toxicity.  
SVHC: Substances of Very High Concern.  
UN: United Nations.  
UVCB: Chemical Substances of Unknown or Variable Composition, Complex Reaction Products or of Biological Materials.  
VOC: Volatile Organic Compound.  
vPvB: very Persistent and very Bioaccumulative.

This safety data sheet had been prepared on the basis of information provided by the manufacturer/supplier and conform to the relevant regulations.

The information, data and recommendations contained herein are provided in good faith, obtained from reliable sources and believed to be true and accurate as of the date issued; however, no representation is made as to the comprehensiveness of the information.

The SDS shall be used only as a guide for handling the product; in the course of handling and using the product other considerations may arise or be required.

Users are cautioned to determine the appropriateness and applicability of the above information to their particular circumstances and purposes and assume all risk associated with the use of this product.

It is the responsibility of the user to fully comply with local, national and international regulations concerning the use of this product.

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Safety data sheet was prepared by:  
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