

# SAFETY DATA SHEET

according to Commission Regulation (EU) 2020/878 as amended



## LUNAMOON Top Non Wipe

|               |                  |         |     |
|---------------|------------------|---------|-----|
| Creation date | 17th August 2023 | Version | 2.0 |
| Revision date | 11th April 2025  |         |     |

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

#### 1.1. Product identifier

Substance / mixture  
Other mixture names

LUNAMOON Top Non Wipe UV, Lunamoon Refill Top Non Wipe, Lunamoon Refill Top Non Wipe UV,  
Lunamoon Refill Top Crystal

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

##### Mixture's intended use

Nail cosmetics.

##### Mixture uses advised against

The product should not be used in ways other than those referred in Section 1.

#### 1.3. Details of the supplier of the safety data sheet

##### Manufacturer

|                    |  |
|--------------------|--|
| Name or trade name | PE Shkliarskyi Nazarii   |
| Address            | Dragana Street, Building 30, Apartment 26, City Lviv,<br>79049 |
|                    | Ukraine  |
| Phone              | +380662879592  |
| E-mail             | lunamoongel.eu@gmail.com                                       |

##### Email address for a competent person responsible for the safety data sheet

|        |                          |
|--------|--------------------------|
| Name   | PE Shkliarskyi Nazarii   |
| E-mail | lunamoongel.eu@gmail.com |

#### 1.4. Emergency telephone number

Belgium: Antigif Centrum Centre Antipoisons, Tel. No.: +32 070 245 245

Bulgaria: National Toxicology Centre, Hospital for Active Medical Treatment and Emergency Medicine "N.I.Pirogov", Tel. No.: +359 2 9154 233

Cyprus: Cyprus Poison Center, Tel. No.: 1401

Croatia: Poison Control Centre, Tel. No.: +385 1 234 8342

Czech Republic: Toxicological Information Centre, Tel. No.: +420 224 919 293 / +420 224 915 402

Denmark: Danish Poison Center (Giftlinjen), Tel. No.: +45 82 12 12 12

Greece: Poison Information Centre, Tel. No.: (0030) 2107793777

Estonia: National poison information centre, Tel. No.: +372 794 3794 or 16662 national

Finland: Poison Information Centre, Tel. No.: +358 09 471 977 or 0800 147 111

France: ORFILA (INERIS), Tel. No.: +33 (0) 1 45 42 59 59

Hungary: Health Toxicological Information Service, Tel. No.: +36 80 20 11 99

Italy: Hosp. Niguarda Ca 'Granda - Milan, Tel. No.: +39 02 66101029; CAV National Toxicological Information Center - Pavia, Tel. No.: +39 038224444

Latvia: Valsts Toksikoloģijas centrs, Saindēšanās un zāļu informācijas centrs, Tel. No.: +371 670 42473

Lithuania: The State Medicines Control Agency (SMCA), Poison Information Bureau (PIB), Tel. No.: +370 5 236 20 52

Luxembourg: Belgian Poison Center, Tel. No.: +352 8002 5500

Malta: Mater Dei Hospital, Tel. No.: +356 2545 0000

Netherlands: National Poisons Information Centre (NVIC). Only for the purpose of informing medical personnel in case of acute intoxications, Tel. No.: +31 (0) 88 755 8000

Norway: Norwegian Poisons Information Centre, Tel. No.: +47 22 59 13 00

Portugal: Poisons Information Centre, Tel. No.: +351 800 250 250

Poland: Europejski numer alarmowy: 112

Romania: Clinica ATI II Toxicologie Clinică, Tel. No.: +40 021 599 23 00

Slovenia: The uniform telephone number for emergency calls, Tel. No.: 112

Slovakia: National Toxicological Information Centre (NTIC), Tel. No.: +421 2 5477 4166

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Spain: Toxicology Information Service, Tel. No.: +34 91 562 04 20

Sweden: Emergency telephone number 112 – ask for Poisons Information (in Swedish: – begär Giftinformation)

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### Classification of the mixture in accordance with Regulation (EC) No 1272/2008

The mixture is classified as dangerous.

Skin Irrit. 2, H315

Skin Sens. 1, H317

Eye Irrit. 2, H319

Aquatic Chronic 3, H412

#### Most serious adverse effects on human health and the environment

Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. Harmful to aquatic life with long lasting effects.

### 2.2. Label elements

#### Hazard pictogram



#### Signal word

Warning

#### Hazardous substances

2-hydroxyethyl methacrylate

INCI: HEMA

Ethyl phenyl(2,4,6-trimethylbenzoyl)phosphinate

INCI: ETHYL TRIMETHYLBENZOYL PHENYLPHOSPHINATE

#### Hazard statements

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H412 Harmful to aquatic life with long lasting effects.

#### Precautionary statements

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P264 Wash hands and exposed parts of the body thoroughly after handling.

P273 Avoid release to the environment.

P280 Wear protective gloves/eye protection.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

P337+P313 If eye irritation persists: Get medical advice/attention.

P362+P364 Take off contaminated clothing and wash it before reuse.

### 2.3. Other hazards

The mixture does not contain substances with endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605. Mixture does not contain any substance meet the criteria for PBT or vPvB in accordance with Annex XIII of Regulation (EC) No. 1907/2006 (REACH) as amended. Does not contain any PMT or vPvM

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components.

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

**Mixture contains these hazardous substances and substances with the highest permissible concentration in the working environment**

**The detailed composition of the product is the property of the company**

| Identification numbers           | Substance name   | Classification according to Regulation (EC) No 1272/2008 | Note |
|----------------------------------|--|--|------|
| CAS: 25133-97-5<br>EC: 607-559-5 | 2-Propanoic acid, 2-methyl-, polymer with ethyl 2-propanoate and methyl 2-methyl-2-propanoate<br>INCI: ACRYLATES COPOLYMER | not classified as dangerous                              |      |
| CAS: 9016-00-6<br>EC: 618-493-1  | Polydimethylsiloxane<br>INCI: DIMETHICONE  | not classified as dangerous                              |      |

#### Notes

- 1 Note D: Certain substances which are susceptible to spontaneous polymerisation or decomposition are generally placed on the market in a stabilised form. It is in this form that they are listed in Part 3 of Annex VI to Regulation (EC) No 1272/2008. However, such substances are sometimes placed on the market in a non-stabilised form. In this case, the supplier who places such a substance on the market must state on the label the name of the substance followed by the words "non-stabilised".

Full text of all classifications and hazard statements is given in the section 16.

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### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

Take care of your own safety. If any health problems are manifested or if in doubt, inform a doctor and show him information from this safety data sheet.

##### If inhaled

Terminate the exposure immediately; move the affected person to fresh air. Protect the person against growing cold. Provide medical treatment if irritation, dyspnoea or other symptoms persist.

##### If on skin

Remove contaminated clothes. Wash the affected area with plenty of water, lukewarm if possible. Soap, soap solution or shampoo should be used if there is no skin injury. Provide medical treatment if skin irritation persists.

##### If in eyes

Rinse eyes immediately with a flow of running water, open the eyelids (also using force if needed); remove contact lenses immediately if worn by the affected person. Rinsing should continue at least for 10 minutes. Provide medical treatment, specialized if possible.

##### If swallowed

Rinse out the mouth with water and provide 2-5 dL of water. Provide medical treatment if the person has any health problems.

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

##### If inhaled

Not expected.

##### If on skin

May cause an allergic skin reaction.

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### If in eyes

Causes serious eye irritation.

### If swallowed

Irritation, nausea.

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

Symptomatic treatment.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### Suitable extinguishing media

Accommodate extinguishing components to the location of fire.

#### Unsuitable extinguishing media

Water - full jet.

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

In the event of fire, carbon monoxide, carbon dioxide and other toxic gases may arise. Inhalation of hazardous degradation (pyrolysis) products may cause serious health damage.

### 5.3. Advice for firefighters

Self-Contained Breathing Apparatus (SCBA) with a chemical protection suit only where personal (close) contact is likely. Use a self-contained breathing apparatus and full-body protective clothing. Do not allow run-off of contaminated fire extinguishing material to enter drains or surface and ground water.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

Use personal protective equipment for work. Follow the instructions in the Sections 7 and 8. Prevent contact with skin and eyes.

### 6.2. Environmental precautions

Prevent contamination of the soil and entering surface or ground water.

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

Spilled product should be covered with suitable (non-flammable) absorbing material (sand, diatomaceous earth, earth and other suitable absorption materials); to be contained in well closed containers and removed as per the Section 13. In the event of leakage of the substantial amount of the product, inform fire brigade and other competent bodies. After removal of the product, wash the contaminated site with plenty of water. Do not use solvents.

### 6.4. Reference to other sections

See the Section 7, 8 and 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Prevent contact with skin and eyes. Contaminated work clothing should not be allowed out of the workplace. Wash hands and exposed parts of the body thoroughly after handling. Use personal protective equipment as per Section 8. Observe valid legal regulations on safety and health protection. Avoid release to the environment.

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

Store in tightly closed containers in cold, dry and well ventilated areas designated for this purpose.

### 7.3. Specific end use(s)

Not available.

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## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

The mixture contains no substances for which occupational exposure limits are set.

**DNEL**

**Ethyl phenyl(2,4,6-trimethylbenzoyl)phosphinate**  
**INCI: ETHYL TRIMETHYLBENZOYL PHENYLPHOSPHINATE**

| Workers / consumers | Route of exposure | Value                  | Effect                   | Source |
|---------------------|-------------------|------------------------|--------------------------|--------|
| Workers             | Inhalation        | 4.93 mg/m <sup>3</sup> | Chronic effects systemic | ECHA   |
| Consumers           | Inhalation        | 870 µg/m <sup>3</sup>  | Chronic effects systemic | ECHA   |
| Workers             | Dermal            | 1.4 mg/kg bw/day       | Chronic effects systemic | ECHA   |
| Consumers           | Dermal            | 500 µg/kg bw/24h       | Chronic effects systemic | ECHA   |
| Workers             | Oral              | 500 µg/kg bw/24h       | Chronic effects systemic | ECHA   |

**PNEC**

**Ethyl phenyl(2,4,6-trimethylbenzoyl)phosphinate**  
**INCI: ETHYL TRIMETHYLBENZOYL PHENYLPHOSPHINATE**

| Route of exposure               | Value      | Source |
|---------------------------------|------------|--------|
| Drinking water                  | 1.01 µg/l  | ECHA   |
| Water (intermittent release)    | 10.1 µg/l  | ECHA   |
| Marine water                    | 101 mg/l   | ECHA   |
| Seawater (intermittent release) | 1.01 µg/l  | ECHA   |
| Freshwater sediment             | 240 µg/kg  | ECHA   |
| Sea sediments                   | 24 µg/kg   | ECHA   |
| Soil (agricultural)             | 47.5 µg/kg | ECHA   |

### 8.2. Exposure controls

Take off contaminated clothing and wash before reuse. Do not eat, drink and smoke during work. Wash your hands thoroughly with water and soap after work and before breaks for a meal and rest.

#### **Eye/face protection**

Protective goggles or face shield (based on the nature of the work performed).

#### **Skin protection**

Avoid direct skin contact with product. Identify potential areas for indirect skin contact. Wear gloves (tested to EN374) if hand contact with substance likely. Clean up contamination/spills as soon as they occur. Wash off any skin contamination immediately. Provide basic employee training to prevent / minimise exposures and to report any skin problems that may develop. When choosing appropriate thickness, material and permeability of the gloves, observe recommendations of their particular manufacturer. Observe other recommendations of the manufacturer. Other protection: protective workwear. Contaminated skin should be washed thoroughly.

#### **Respiratory protection**

Mask with a filter in a poorly ventilated environment.

#### **Thermal hazard**

Not available.

#### **Environmental exposure controls**

Observe usual measures for protection of the environment, see Section 6.2.

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## SECTION 9: Physical and chemical properties

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

|  |                    |
|--|--------------------|
| Physical state   | liquid             |
| Colour   | data not available |
| Odour  | light              |
| Melting point/freezing point                             | data not available |
| Boiling point or initial boiling point and boiling range | data not available |
| Flammability   | data not available |
| Lower and upper explosion limit                          | data not available |
| Flash point  | data not available |
| Auto-ignition temperature                                | data not available |
| Decomposition temperature                                | data not available |
| pH   | 6.5-7 (undiluted)  |
| Kinematic viscosity                                      | data not available |
| Solubility in water                                      | data not available |
| Partition coefficient n-octanol/water (log value)        | data not available |
| Vapour pressure  | data not available |
| Density and/or relative density                          | data not available |
| Relative vapour density                                  | data not available |
| Particle characteristics                                 | not applicable     |
| Form   | liquid             |

### 9.2. Other information

None.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

When used in the standard way, there is not any dangerous reaction with other substances.

### 10.2. Chemical stability

The product is stable under normal conditions.

### 10.3. Possibility of hazardous reactions

Unknown.

### 10.4. Conditions to avoid

The product is stable and no degradation occurs under normal use. Protect against flames, sparks, overheating and against frost.

### 10.5. Incompatible materials

Protect against strong acids, bases and oxidizing agents.

### 10.6. Hazardous decomposition products

Not developed under normal uses. Dangerous outcomes such as carbon monoxide and carbon dioxide are formed at high temperature and in fire.

## SECTION 11: Toxicological information

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

No toxicological data is available for the mixture.

#### Acute toxicity

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Data for the mixture are not available. Based on the available data, the criteria for classification of the mixture are not met.

### 2-hydroxyethyl methacrylate

#### INCI: HEMA

| Route of exposure | Parameter | Method   | Value          | Exposure time | Species | Sex | Source |
|-------------------|-----------|----------|----------------|---------------|---------|-----|--------|
| Eye               | LD50      | OECD 405 | >5000 mg/kg bw |               |         |     |        |

### Ethyl phenyl(2,4,6-trimethylbenzoyl)phosphinate

#### INCI: ETHYL TRIMETHYLBENZOYL PHENYLPHOSPHINATE

| Route of exposure  | Parameter | Method   | Value          | Exposure time | Species | Sex | Source |
|--------------------|-----------|----------|----------------|---------------|---------|-----|--------|
| Oral               | LD50      | OECD 401 | >5000 mg/kg bw |               | Rat     |     | ECHA   |
| Inhalation (vapor) | LC50      |          | ≥0 mg/l        | 7 hours       | Rat     |     | ECHA   |
| Dermal             | LD50      |          | ≥2000 mg/kg bw |               | Rat     |     | ECHA   |

### Skin corrosion/irritation

Causes skin irritation. Data for the components of the mixture are not available.

### Serious eye damage/irritation

Causes serious eye irritation. Data for the components of the mixture are not available.

### Respiratory or skin sensitisation

May cause an allergic skin reaction. Data for the components of the mixture are not available.

### Germ cell mutagenicity

No data are available for either the mixture or the components. Based on the available data, the criteria for classification of the mixture are not met.

### Carcinogenicity

No data are available for either the mixture or the components. Based on the available data, the criteria for classification of the mixture are not met.

### Reproductive toxicity

No data are available for either the mixture or the components. Based on the available data, the criteria for classification of the mixture are not met.

### Toxicity for specific target organ - single exposure

No data are available for either the mixture or the components. Based on the available data, the criteria for classification of the mixture are not met.

### Toxicity for specific target organ - repeated exposure

No data are available for either the mixture or the components. Based on the available data, the criteria for classification of the mixture are not met.

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### Aspiration hazard

No data are available for either the mixture or the components. Based on the available data, the criteria for classification of the mixture are not met.

### 11.2. Information on other hazards

#### Endocrine disrupting properties

Based on the available data, the criteria for classification of the mixture are not met. Does not contain any components that may cause endocrine disruption for humans.

#### Other information

Not available.

## SECTION 12: Ecological information

### 12.1. Toxicity

Harmful to aquatic life with long lasting effects.

#### Acute toxicity

| 2-hydroxyethyl methacrylate |            |           |               |          |             |        |
|-----------------------------|------------|-----------|---------------|----------|-------------|--------|
| INCI: HEMA                  |            |           |               |          |             |        |
| Parameter                   | Method     | Value     | Exposure time | Species  | Environment | Source |
| LD50                        | ISO 7346-2 | >100 mg/l |               | Fish     |             |        |
| EC0                         |            | 100 mg/l  |               | Bacteria |             |        |

#### Ethyl phenyl(2,4,6-trimethylbenzoyl)phosphinate

#### INCI: ETHYL TRIMETHYLBENZOYL PHENYLPHOSPHINATE

| Parameter | Method   | Value      | Exposure time | Species                         | Environment | Source |
|-----------|----------|------------|---------------|---------------------------------|-------------|--------|
| LC50      | OECD 203 | 1.89 mg/l  | 96 hours      | Fish (Danio rerio)              |             | ECHA   |
| NOEC      | OECD 203 | ≥1.29 mg/l | 96 hours      | Fish (Danio rerio)              |             | ECHA   |
| EC50      | OECD 202 | 2.26 mg/l  | 48 hours      | Invertebrates (Daphnia magna)   |             | ECHA   |
| EC50      | OECD 201 | 0.239 mg/l | 72 hours      | Algae (Desmodesmus subspicatus) |             | ECHA   |

### 12.2. Persistence and degradability

No data are available for either the mixture or the components.

### 12.3. Bioaccumulative potential

No data are available for either the mixture or the components.

### 12.4. Mobility in soil

Based on the available data, the criteria for classification of the mixture are not met. Does not contain any PMT or vPvM components.

### 12.5. Results of PBT and vPvB assessment

Based on the available data, the criteria for classification of the mixture are not met. Does not contain any PBT or vPvB components.

### 12.6. Endocrine disrupting properties

Based on the available data, the criteria for classification of the mixture are not met. Does not contain any components that may cause endocrine disruption in the environment.

### 12.7. Other adverse effects

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Not available.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Hazard of environmental contamination; dispose of the waste in accordance with the local and/or national regulations. Any unused product and contaminated packaging should be put in labelled containers for waste collection and submitted for disposal to a person authorised for waste removal (a specialized company) that is entitled for such activity. Do not empty unused product in drainage systems. The product must not be disposed of with municipal waste. Empty containers may be used at waste incinerators to produce energy or deposited in a dump with appropriate classification. Perfectly cleaned containers can be submitted for recycling.

### Waste management legislation

Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste, as amended. - Commission Decision of 3 May 2000 replacing Decision 94/3/EC establishing a list of wastes pursuant to Article 1(a) of Council Directive 75/442/EEC on waste and Council Decision 94/904/EC establishing a list of hazardous waste pursuant to Article 1(4) of Council Directive 91/689/EEC on hazardous waste.

## SECTION 14: Transport information

### 14.1. UN number or ID number

Not subject to transport regulations.

### 14.2. UN proper shipping name

Not relevant.

### 14.3. Transport hazard class(es)

Not relevant.

### 14.4. Packing group

Not relevant.

### 14.5. Environmental hazards

No.

### 14.6. Special precautions for user

Reference in the Sections 4 to 8.

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

Not relevant.

## 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 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.
- 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 67/548/EEC and 1999/45/EC, 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 European Agreement concerning the International Carriage of Dangerous Goods by Road (ADR).

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### 15.2. Chemical safety assessment

A chemical safety assessment has not been carried out (mixture).

## SECTION 16: Other information

### A list of standard risk phrases used in the safety data sheet

|      |  |
|------|--|
| H315 | Causes skin irritation.                            |
| H317 | May cause an allergic skin reaction.               |
| H319 | Causes serious eye irritation.                     |
| H411 | Toxic to aquatic life with long lasting effects.   |
| H412 | Harmful to aquatic life with long lasting effects. |

### Guidelines for safe handling used in the safety data sheet

|           |   |
|-----------|---|
| P101      | If medical advice is needed, have product container or label at hand. |
| P102      | Keep out of reach of children.  |
| P264      | Wash hands and exposed parts of the body thoroughly after handling.   |
| P273      | Avoid release to the environment.                                     |
| P280      | Wear protective gloves/eye protection.                                |
| P333+P313 | If skin irritation or rash occurs: Get medical advice/attention.      |
| P337+P313 | If eye irritation persists: Get medical advice/attention.             |
| P362+P364 | Take off contaminated clothing and wash it before reuse.              |

### Other important information about human health protection

The product must not be - unless specifically approved by the manufacturer/importer - used for purposes other than as per the Section 1. The user is responsible for adherence to all related health protection regulations.

### Key to abbreviations and acronyms used in the safety data sheet

|                 |   |
|-----------------|---|
| ADR             | Agreement concerning the international carriage of dangerous goods by road                        |
| Aquatic Chronic | Hazardous to the aquatic environment (chronic)  |
| BCF             | Bioconcentration Factor   |
| CAS             | Chemical Abstracts Service  |
| CLP             | Regulation (EC) No 1272/2008 on classification, labelling and packaging of substance and mixtures |
| EC              | Identification code for each substance listed in EINECS   |
| EC0             | Concentration of a substance when it is affected 0 % of the population                            |
| EC50            | Concentration of a substance when it is affected 50 % of the population                           |
| Eye Irrit.      | Eye irritation  |
| EINECS          | European Inventory of Existing Commercial Chemical Substances                                     |
| EmS             | Emergency plan  |
| EU              | European Union  |
| EupCS           | European Product Categorisation System  |
| IATA            | International Air Transport Association   |
| IBC             | International Code For The Construction And Equipment of Ships Carrying Dangerous Chemicals       |
| ICAO            | International Civil Aviation Organization   |
| IMDG            | International Maritime Dangerous Goods  |
| IMO             | International Maritime Organization   |
| INCI            | International Nomenclature of Cosmetic Ingredients  |
| ISO             | International Organization for Standardization  |
| IUPAC           | International Union of Pure and Applied Chemistry   |

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|             |   |
|-------------|---|
| LC50        | Lethal concentration of a substance in which it can be expected death of 50% of the population    |
| LD50        | Lethal dose of a substance in which it can be expected death of 50% of the population             |
| log Kow     | Octanol-water partition coefficient   |
| NOEC        | No observed effect concentration  |
| OEL         | Occupational Exposure Limits  |
| PBT         | Persistent, bioaccumulative and toxic   |
| PMT         | Persistent, mobile and toxic  |
| ppm         | Parts per million   |
| REACH       | Registration, Evaluation, Authorisation and Restriction of Chemicals                              |
| RID         | Agreement on the transport of dangerous goods by rail   |
| Skin Irrit. | Skin irritation   |
| Skin Sens.  | Skin sensitization  |
| UN number   | Four-figure identification number of the substance or article taken from the UN Model Regulations |
| UVCB        | Substances of unknown or variable composition, complex reaction products or biological materials  |
| VOC         | Volatile organic compounds  |
| vPvB        | Very persistent and very bioaccumulative  |
| vPvM        | Very persistent and very mobile   |

### Training guidelines

Inform the personnel about the recommended ways of use, mandatory protective equipment, first aid and prohibited ways of handling the product.

### Recommended restrictions of use

Not available.

### Information about data sources used to compile the Safety Data Sheet

The ECHA database on registered substances and the ECHA classification and labelling inventory. GESTIS - the Information system on hazardous substances of the German Social Accident Insurance. Data from the manufacturer of the substance / mixture, if available - information from registration dossiers. eChemPortal -the Global Portal to Information on Chemical Substances.

### The changes (which information has been added, deleted or modified)

The version 2.0 replaces the SDS version from 17.08.2023. Changes were made in all SDS.

### More information

Classification procedure - calculation method.

## Statement

The data contained in this Safety Data Sheet must be available to anyone whose work is related to the product. The data corresponds to the current state of knowledge, national and EU legislation. The information provided indicates the safety requirements for the use of this product, but does not disclose other specific product features. The information is correct to the best of our knowledge at the date of preparation of the product Safety Data Sheet. This is not a specification sheet and any data provided should not be considered a specification. The information in this product Safety Data Sheet has been obtained from sources we believe to be reliable. Certain information and conclusions in this document are derived from sources other than direct data from tests or research on the product itself. The recipient of the product is responsible for compliance with applicable laws regarding handling, storage, use and disposal. If the product is used as a component in another product, the information in this product's Safety Data Sheet may not be valid.