



Building together

DANOFLOOR ES PRO COMP. B



Version: 1

Date of issue: 29/06/2026

Date of printing: 29/06/2026

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

|     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1.1 | <p><b>PRODUCT IDENTIFIER:</b></p> <p>DANOFLOOR ES PRO COMP. B</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 1.2 | <p><b>RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST:</b></p> <p><u>Intended uses (main technical functions):</u> <input checked="" type="checkbox"/> Industrial <input checked="" type="checkbox"/> Professional</p> <p>Epoxy pavement/floor.</p> <p><u>Sectors of use:</u></p> <p>Professional uses (SU22).</p> <p><u>Uses advised against:</u></p> <p>This product is not recommended for any use or sector of use (industrial, professional or consumer) other than those previously listed as "Intended or identified uses".</p> <p><u>Restrictions on manufacture, placing on market and use, according to Annex XVII of Regulation (EC) No. 1907/2006:</u></p> <p>Contains CMR substances, categories 1A or 1B:Restricted to professional users. Forbidden to the general public.The restrictions do not apply to storage, keeping, treatment, filling into containers, or transfer from one container to another of the substances for export.For more details consult the original legislative text.See entry 28 and/or 29 and/or 30 in the Annex of the Regulation (EC) No. 552/2009~276/2010. For more details consult the original legislative text.</p> |
| 1.3 | <p><b>DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET:</b></p> <p>DANOSA GROUP, S.A.</p> <p>Calle Granja (de la), nº 3 - 28108 Alcobendas - (Madrid) ESPAÑA</p> <p>Phone number: 949888210 - Fax: 949 888 223 - <a href="http://www.danosa.com">www.danosa.com</a></p> <p><u>- E-mail address of the person responsible for the Safety Data Sheet:</u></p> <p><a href="mailto:info@danosa.com">info@danosa.com</a></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 1.4 | <p><b>EMERGENCY TELEPHONE NUMBER:</b></p> <p>902 422 452 8:30-17:30 h</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

SECTION 2 : HAZARDS IDENTIFICATION

2.1

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE:

Classification of mixtures is carried out in accordance with the following principles: a) when data (tests) for the classification of mixtures are available, generally is carried out based on these data, b) in the absence of data (tests) for mixtures are generally used interpolation or extrapolation methods of assessing the risk, using the available data for mixtures similarly classified, and c) in the absence of tests and information which would allow to apply interpolation or extrapolation techniques, methods are used to classify risk assessment based on the data of the individual components in the mixture.

Classification in accordance with Regulation (EU) No. 1272/2008~2024/197 (CLP):

DANGER:Acute Tox. (oral) 4:H302|Skin Corr. 1A:H314|Eye Dam. 1:H318|Skin Sens. 1:H317|Muta. 2:H341|Repr. 1B:H360FD|STOT SE 2:H371|STOT RE 2:H373|Aquatic Chronic 2:H411

| Danger class                                                                                         | Classification of the mixture                                                                                                                                                 | Cat.                                                                   | Routes of exposure                                    | Target organs                                                                 | Effects                                                                                               |
|------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|-------------------------------------------------------|-------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|
| Physicochemical:<br>Not classified                                                                   |                                                                                                                                                                               |                                                                        |                                                       |                                                                               |                                                                                                       |
| Human health:<br> | Acute Tox. (oral) 4:H302c)<br>Skin Corr. 1A:H314c)<br>Eye Dam. 1:H318c)<br>Skin Sens. 1:H317c)<br>Muta. 2:H341c)<br>Repr. 1B:H360FDc)<br>STOT SE 2:H371c)<br>STOT RE 2:H373c) | Cat.4<br>Cat.1A<br>Cat.1<br>Cat.1<br>Cat.2<br>Cat.1B<br>Cat.2<br>Cat.2 | Ingestion<br>Skin<br>Eyes<br>Skin<br>-<br>-<br>-<br>- | -<br>Skin<br>Eyes<br>Skin<br>-<br>Reproductive system<br>Systemic<br>Systemic | Harmful<br>Burns<br>Serious lesions<br>Allergy<br>Genetic defects<br>Fertility, Foetus<br>-<br>Damage |
| Environment:<br>  | Aquatic Chronic 2:H411c)                                                                                                                                                      | Cat.2                                                                  | -                                                     | -                                                                             | -                                                                                                     |

Full text of hazard statements mentioned is indicated in section 16.

Note: When in section 3 a range of percentages is used, the health and environmental hazards describe the effects of the highest concentration of each component, but below the maximum value.

2.2

LABEL ELEMENTS:



This product is labelled with the signal word DANGER in accordance with Regulation (EU) No. 1272/2008~2024/197 (CLP).

- Hazard statements:

H360FD

May damage fertility. May damage the unborn child.

H341

Suspected of causing genetic defects.

H371

May cause damage çto organs.

H373

May cause damage to organs through prolonged or repeated exposure.

H302

Harmful if swallowed.

H314

Causes severe skin burns and eye damage.

H317

May cause an allergic skin reaction.

H411

Toxic to aquatic life with long lasting effects.

- Precautionary statements:



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|     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|     | <p>P102-P405 Keep out of reach of children. Store locked up.</p> <p>P280 Wear protective gloves, clothing and eye protection. In case of inadequate ventilation wear respiratory protection.</p> <p>P363 Wash contaminated clothing before reuse.</p> <p>P303+P361+P353-<br/>P352-P312 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. Wash with plenty of water and soap.. Call a POISON CENTER or doctor if you feel unwell.</p> <p>P305+P351+P338-<br/>P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor.</p> <p>P273-P391-P501 Avoid release to the environment. Collect spillage. Dispose of contents/container in accordance with local regulations.</p> <p><u>- Supplementary statements:</u></p> <p>- Restricted to professional users.</p> <p><u>- Substances that contribute to classification:</u></p> <p>Benzyl alcohol<br/>1,3-cyclohexanedimethanamine<br/>Dibutyltin dilaurate</p> |
| 2.3 | <p><u>OTHER HAZARDS:</u></p> <p>Hazards which do not result in classification but which may contribute to the overall hazards of the mixture:</p> <p><u>- Other physicochemical hazards:</u></p> <p>No other relevant adverse effects are known.</p> <p><u>- Other adverse human health effects:</u></p> <p>Prolonged exposure to vapours may produce transient drowsiness. Prolonged contact may cause skin dryness.</p> <p><u>- Other negative environmental effects:</u></p> <p>Does not contain substances that fulfil the PBT/vPvB criteria.</p> <p><u>Endocrine disrupting properties:</u></p> <p>This product does not contain substances with endocrine disrupting properties identified or under evaluation.</p>                                                                                                                                                                                                                                                                                                                                                                 |

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

|     |                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                |
|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| 3.1 | <u>SUBSTANCES:</u><br>Not applicable (mixture).                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                |
| 3.2 | <u>MIXTURES:</u><br>This product is a mixture.<br><u>Chemical description:</u><br>Solution of chemicals<br><u>HAZARDOUS INGREDIENTS:</u><br>Substances taking part in a percentage higher than the exemption limit: |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                |
|     | 40 < C < 50 %                                                                                                                                                                                                       |  Benzyl alcohol<br>CAS: 100-51-6, EC: 202-859-9, REACH: 01-2119492630-38<br>CLP: Warning: Acute Tox. (inh.) 4:H332 (ATE=11000 mg/m3)   Acute Tox. (oral) 4:H302 (ATE=1200 mg/kg)   Eye Irrit. 2:H319                                                                                                                                                                                                                                 | REACH          |
|     | 20 < C < 25 %                                                                                                                                                                                                       |   1,3-cyclohexanedimethanamine<br>CAS: 2579-20-6, EC: 219-941-5, REACH: 01-2119543741-41<br>CLP: Danger: Acute Tox. (skin) 4:H312 (ATE=1700 mg/kg)   Acute Tox. (oral) 4:H302 (ATE=700 mg/kg)   Skin Corr. 1A:H314   Eye Dam. 1:H318   Aquatic Chronic 3:H412                                                                                     | REACH          |
|     | 5 < C < 10 %                                                                                                                                                                                                        |    Dibutyltin dilaurate<br>CAS: 77-58-7, EC: 201-039-8, REACH: 01-2119496068-27<br>CLP: Danger: Eye Irrit. 2:H319   Skin Sens. 1:H317   Muta. 2:H341   Repr. 1B:H360FD   STOT SE 1:H370   STOT RE 1:H372   Aquatic Acute 1:H400 (M=1)   Aquatic Chronic 1:H410 | REACH          |
|     | 5 < C < 10 %                                                                                                                                                                                                        |  Nonylphenol ethoxylated(20)<br>CAS: 9016-45-9, EC: 500-024-6<br>CLP: Warning: Skin Irrit. 2:H315   Eye Irrit. 2:H319   Aquatic Chronic 4:H413                                                                                                                                                                                                                                                                                       | Autoclassified |
|     | <u>Impurities:</u><br>Does not contain other components or impurities which will influence the classification of the product.                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                |
|     | <u>Stabilizers:</u><br>None.                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                |
|     | <u>Reference to other sections:</u><br>For more information on hazardous ingredients, see sections 8, 11, 12 and 16.                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                |
|     | <u>SUBSTANCES OF VERY HIGH CONCERN (SVHC):</u><br>List updated by ECHA on 04/02/2026.                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                |
|     | <u>Substances SVHC subject to authorisation, included in Annex XIV of Regulation (EC) no. 1907/2006:</u><br>None.                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                |
|     | <u>Substances SVHC candidate to be included in Annex XIV of Regulation (EC) no. 1907/2006:</u>                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                |



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Nonylphenol ethoxylated(20). Endocrine disrupting properties (Article 57f) - Environment, Decision: ED/69/2013. 4-nonylphenol, branched and linear, ethoxylated [substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, ethoxylated covering UVCB- and well-defined substances, polymers and homologues, which include any of the individual isomers and/or combinations thereof] are identified as substances of very high concern in accordance with Article 57(f) of Regulation (EC) n° 1907/2006 (REACH) because, due to their degradation, they are a relevant source in the environment of substances of very high concern (4-nonylphenol, branched and linear (4-NP)). Therefore, there is scientific evidence of probable serious effects to the environment from these substances, through their degradation to 4-nonylphenol, branched and linear, which gives rise to an equivalent level of concern to those of other substances listed in points (a) to (e) of Article 57 of REACH.

**PERSISTENT, BIOACCUMULABLE AND TOXIC PBT, OR VERY PERSISTENT AND VERY BIOACCUMULABLE VPVB SUBSTANCES:**

Does not contain substances that fulfil the PBT/vPvB criteria.

**POP substances included in the (EU) REGULATION 2019/1021~2025/1930 on persistent organic pollutants:**

None.

#### SECTION 4: FIRST AID MEASURES

##### 4.1 DESCRIPTION OF FIRST AID MEASURES:



Symptoms may occur after exposure, so that in case of direct exposure to the product, when in doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. Lifeguards should pay attention to self-protection and use the recommended protective equipment if there is a possibility of exposure. Wear protective gloves when administering first aid.

| Route of exposure | Symptoms and effects, acute and delayed                                                                                 | Description of first-aid measures                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------|-------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Inhalation:       | Inhalation produces burning sensation, coughing, breathlessness and sore throat.                                        | Remove the patient out of the contaminated area into the fresh air. If breathing is irregular or stops, administer artificial respiration. If the person is unconscious, place in appropriate recovery position. Keep the patient warm and at rest until medical attention arrives.                                                                                                                                       |
| Skin:             | Skin contact causes redness and pain. Skin contact causes redness, burns and pain.                                      | Remove immediately contaminated clothing and wash it separately with an alkaline detergent. Throw away clothing should it be highly contaminated. Avoid concurrent exposure to sunlight or other sources of UV radiation which may increase skin sensitivity. Wash thoroughly the affected area with plenty of cold or lukewarm water and neutral soap, or use a suitable skin cleanser. Do not use solvents or thinners. |
| Eyes:             | Contact with the eyes produces redness, pain and serious burns.                                                         | Remove contact lenses. Rinse eyes copiously by irrigation with plenty of clean, fresh water for at least 15 minutes, holding the eyelids apart, until the irritation is reduced. Avoid concurrent exposure to sunlight or other sources of UV radiation which may increase eye sensitivity. If irritation persists, consult a physician.                                                                                  |
| Ingestion:        | If swallowed, causes severe burns on the lips, mouth, throat and oesophagus, with gastric disorders and abdominal pain. | If swallowed, seek medical advice immediately and show container or label. Drink large quantities of water. Do not induce vomiting, due to the risk of perforation. Keep the patient at rest.                                                                                                                                                                                                                             |

##### 4.2 MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED:

The main symptoms and effects are indicated in sections 4.1 and 11.1

##### 4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:

**Notes to physician:**

Treatment should be directed at the control of symptoms and the clinical condition of the patient..

**Antidotes and contraindications:**

Specific antidote not known.



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## SECTION 5: FIREFIGHTING MEASURES

- 5.1 **EXTINGUISHING MEDIA:**  
Extinguishing powder or CO<sub>2</sub>. In the case of more important fires, also alcohol resistant foam and water spray/mist.
- 5.2 **SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE:**  
As consequence of combustion or thermal decomposition, hazardous products may be produced: carbon monoxide, Carbon dioxide, nitrogen oxides. Exposure to combustion or decomposition products may be a hazard to health. Pyrolyzed acrylates are highly irritant to the respiratory system.
- 5.3 **ADVICE FOR FIREFIGHTERS:**  
**Special protective equipment:**  
Depending on magnitude of fire, heat-proof protective clothing may be required, appropriate independent breathing apparatus, gloves, protective glasses or face masks and boots. If the fire-proof protective equipment is not available or is not being used, combat fire from a sheltered position or from a safe distance. The standard EN469 provides a basic level of protection for chemical incidents.  
**Other recommendations:**  
Cool with water the tanks, cisterns or containers close to sources of heat or fire. Bear in mind the direction of the wind. Do not allow fire-fighting residue to enter drains, sewers or water courses.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

- 6.1 **PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:**  
Eliminate possible sources of ignition and when appropriate, ventilate the area. Do not smoke. Avoid direct contact with this product.
- 6.2 **ENVIRONMENTAL PRECAUTIONS:**  
Avoid contamination of drains, surface or subterranean water and soil. In the case of large scale spills or when the product contaminates lakes, rivers or sewages, inform the appropriate authorities in accordance with local regulations.
- 6.3 **METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP:**  
Contain and mop up spills with non-combustible absorbent materials (earth, sand, vermiculite, diatomaceous earth, etc...). Clean preferably with a biodegradable detergent. Keep the remains in a closed container.
- 6.4 **REFERENCE TO OTHER SECTIONS:**  
For contact information in case of emergency, see section 1.  
For information on safe handling, see section 7.  
For exposure controls and personal protection measures, see section 8.  
For waste disposal, follow the recommendations in section 13.

## SECTION 7: HANDLING AND STORAGE

- 7.1 **PRECAUTIONS FOR SAFE HANDLING:**  
Comply with the existing legislation on health and safety at work.  
**- General recommendations:**  
Use in areas free from sources of ignition and away from heat or electrical sources. Do not smoke. Handle with care, avoiding any discharge. Avoid any type of leakage or escape. Keep the container tightly closed.  
**- Recommendations for the prevention of fire and explosion risks:**  
Due to its flammability, this material should only be used in areas from which all naked lights and other sources of ignition have been excluded and away from other heat or electrical sources. Do not smoke.  
Flashpoint 102° °C (Pensky-Martens) CLP 2.6.4.3.  
Autoignition temperature: Not applicable (do not sustain combustion).  
**- Recommendations for the prevention of toxicological risks:**  
Pregnant women should not be employed in any process in which this product is used. Do not eat, drink or smoke while handling. After handling, wash hands with soap and water. For exposure controls and personal protection measures, see section 8.  
**- Recommendations for the prevention of environmental contamination:**  
Avoid any spillage in the environment. Pay special attention to the cleaning water. In the case of accidental spillage, follow the instructions indicated in section 6.
- 7.2 **CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:**  
Forbid the entry to unauthorized persons. Keep out of reach of children. This product should be stored isolated from heat and electrical sources. Do not smoke in storage area. Avoid direct contact with sunlight. Avoid extreme humidity conditions. In order to avoid leakages, the containers, after use, should be closed carefully and placed in a vertical position. Due to its corrosive properties, extreme precaution in the selection of materials for pumps, packages and lines should be taken. The floor must be waterproof and corrosion resistant, with a canal system allowing the liquid to be channelled towards a neutralising pit. The electrical equipment must be made of non-corrodible materials. For more information, see section 10.  
**- Class of store:**  
According to current legislation.  
**- Maximum storage period:**  
12 Months.  
**- Temperature interval:**  
min: 5 °C, max: 40 °C (recommended).  
**- Incompatible materials:**  
Keep away from oxidizing agents, from strongly alkaline and strongly acid materials.  
**- Type of packaging:**  
According to current legislation.  
**- Limit quantity (Seveso III): Directive 2012/18/EU:**  
- Named dangerous substances/mixtures: None  
- Hazard categories and lower-/upper threshold quantities in tonnes (t):



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- Physical hazards: Not applicable.
- Health hazards: Not applicable
- Environmental hazards: Toxic to aquatic life with long lasting effects. (E2) (200t/500t).
- Other hazards: Not applicable
- Threshold quantity for the application of lower-tier requirements: 200 tons
- Threshold quantity for the application of upper-tier requirements: 500 tons

## - Remarks:

The qualifying quantities set out above relate to each establishment. The quantities to be considered for the application of the relevant Articles are the maximum quantities which are present or are likely to be present at any one time. Dangerous substances present at an establishment only in quantities equal to or less than 2 % of the relevant qualifying quantity shall be ignored for the purposes of calculating the total quantity present, if their location within an establishment is such that it cannot act as an initiator of a major accident elsewhere at that establishment. For more details, see note 4 of Annex I of the Seveso Directive.

## 7.3 SPECIFIC END USE(S):

For the use of this product particular recommendations apart from that already indicated are not available.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

## 8.1 CONTROL PARAMETERS:

If a product contains ingredients with exposure limits, may be necessary a personnel monitoring, work place or biological, to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to EN689, EN14042 and EN482 standard concerning methods for assessing the exposure by inhalation to chemical agents, and exposure to chemical and biological agents. Reference should be also made to national guidance documents for methods for the determination of dangerous substances.

## - OCCUPATIONAL EXPOSURE LIMIT VALUES (WEL)

| EH40/2005 WELs (United Kingdom) 2018 | Year | WEL-TWA |                   | WEL-STEL |                   | Remarks       |
|--------------------------------------|------|---------|-------------------|----------|-------------------|---------------|
|                                      |      | ppm     | mg/m <sup>3</sup> | ppm      | mg/m <sup>3</sup> |               |
| Dibutyltin dilaurate                 | 1996 | -       | 0,1               | -        | 0,2               | Sk, A4, As Sn |

WEL - Workplace Exposure Limit, TWA - Time Weighted Average (8 hours), STEL - Short Term Exposure Limit (15 min).

Sk - Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity.

A4 - Non classified as carcinogenic in humans.

## - Dermal (Sk):

Means that, in exposures to this substance, the contribution by the cutaneous route, including the mucous membranes and eyes, may result significant for the overall body content if no measures are taken to prevent absorption. There are some chemicals for which dermal absorption, both in liquid and vapour phases, can be very high, and this route of entry may be of equal or greater importance even than inhalation pathway. In these situations, the use of a biological control is essential in order to quantify the overall amount of contaminant absorbed.

## - BIOLOGICAL LIMIT VALUES:

Biological monitoring can be a very useful complementary technique to air monitoring when air sampling techniques alone may not give a reliable indication of exposure. Biological monitoring is the measurement and assessment of hazardous substances or their metabolites in tissues, secretions, excreta or expired air, or any combination of these, in exposed workers. Measurements reflect absorption of a substance by all routes. Biological monitoring may be particularly useful in circumstances where there is likely to be significant skin absorption and/or gastrointestinal tract uptake following ingestion, where control of exposure depends on respiratory protective equipment, where there is a reasonably well-defined relationship between biological monitoring and effect, or where it gives information on accumulated dose and target organ body burden which is related to toxicity.

This preparation contains the following substances that have established a biological limit value:

## - DERIVED NO-EFFECT LEVEL (DNEL):

Derived no-effect level (DNEL) is a level of exposure that is considered safe, derived from toxicity data according to specific guidances included in REACH. DNEL values may differ from an occupational exposure limit (OEL) for the same chemical. OEL values may come recommended by a particular company, a government regulatory agency or an organization of experts. Although considered protective of health, the OEL values are derived by a process different of REACH.

## - DERIVED NO-EFFECT LEVEL, WORKERS:

- Systemic effects, acute and chronic:

|                              | DNEL Inhalation<br>mg/m <sup>3</sup> |          | DNEL Cutaneous<br>mg/kg bw/d |          | DNEL Oral<br>mg/kg bw/d |       |
|------------------------------|--------------------------------------|----------|------------------------------|----------|-------------------------|-------|
| 1,3-cyclohexanedimethanamine | 21,2 (a)                             | 0,71 (c) | 6 (a)                        | 0,2 (c)  | - (a)                   | - (c) |
| Nonylphenol ethoxylated(20)  | - (a)                                | - (c)    | - (a)                        | - (c)    | - (a)                   | - (c) |
| Dibutyltin dilaurate         | 0,059 (a)                            | 0,02 (c) | 2,08 (a)                     | 0,43 (c) | - (a)                   | - (c) |
| Benzyl alcohol               | 110 (a)                              | 22 (c)   | 40 (a)                       | 8 (c)    | - (a)                   | - (c) |

## - DERIVED NO-EFFECT LEVEL, WORKERS:

- Local effects, acute and chronic:

|                              | DNEL Inhalation<br>mg/m <sup>3</sup> |         | DNEL Cutaneous<br>mg/cm <sup>2</sup> |         | DNEL Eyes<br>mg/cm <sup>2</sup> |       |
|------------------------------|--------------------------------------|---------|--------------------------------------|---------|---------------------------------|-------|
| 1,3-cyclohexanedimethanamine | - (a)                                | - (c)   | - (a)                                | - (c)   | - (a)                           | - (c) |
| Nonylphenol ethoxylated(20)  | - (a)                                | - (c)   | - (a)                                | - (c)   | - (a)                           | - (c) |
| Dibutyltin dilaurate         | s/r (a)                              | s/r (c) | s/r (a)                              | s/r (c) | s/r (a)                         | - (c) |
| Benzyl alcohol               | s/r (a)                              | s/r (c) | s/r (a)                              | s/r (c) | b/r (a)                         | - (c) |

## - Derived no-effect level, general population:

Not applicable (product for professional or industrial use).





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(a) - Acute, short-term exposure, (c) - Chronic, long-term or repeated exposure.

(-) - DNEL not available (without data of registration REACH).

s/r - DNEL not derived (not identified hazard).

b/r - DNEL not derived (low hazard).

- PREDICTED NO-EFFECT CONCENTRATION (PNEC):- PREDICTED NO-EFFECT CONCENTRATION.AQUATIC ORGANISMS:- Fresh water, marine water and intermittent release:

1,3-cyclohexanedimethanamine

Nonylphenol ethoxylated(20)

Dibutyltin dilaurate

Benzyl alcohol

PNEC Fresh water

mg/l

0.0331

-

0.000463

1

PNEC Marine

mg/l

0.00331

-

4.6E-05

0.1

PNEC Intermittent

mg/l

0.331

-

0.00463

2.3

- WASTEWATER TREATMENT PLANTS (STP) AND SEDIMENTS IN FRESH- AND MARINE WATER:

1,3-cyclohexanedimethanamine

Nonylphenol ethoxylated(20)

Dibutyltin dilaurate

Benzyl alcohol

PNEC STP

mg/l

10

-

-

100

39

PNEC Sediments

mg/kg dw/d

-

-

0.05

5.27

PNEC Sediments

mg/kg dw/d

-

-

0.005

0.527

- PREDICTED NO-EFFECT CONCENTRATION.TERRESTRIAL ORGANISMS:- Air, soil and effects for predators and humans:

1,3-cyclohexanedimethanamine

Nonylphenol ethoxylated(20)

Dibutyltin dilaurate

Benzyl alcohol

PNEC Air

mg/m3

-

-

s/r

s/r

PNEC Soil

mg/kg dw/d

-

-

0.0407

0.456

PNEC Oral

mg/kg dw/d

-

-

0.2

n/b

(-) - PNEC not available (without data of registration REACH).

n/b - PNEC not derived (not bioaccumulative potential).

s/r - PNEC not derived (not identified hazard).

8.2

EXPOSURE CONTROLS:APPROPRIATE ENGINEERING CONTROLS:

Provide adequate ventilation. Where reasonably practicable, this should be achieved by the use of local exhaust ventilation and good general extraction. If these measures are not sufficient to maintain concentrations of particulates and vapours below the Occupational Exposure Limits, suitable respiratory protection must be worn.

INDIVIDUAL PROTECTION MEASURES, SUCH AS PERSONAL PROTECTIVE EQUIPMENT:- Protection of respiratory system:

Avoid the inhalation of product.

- Protection of eyes and face:

Install water taps, sources or eyewash bottles with clean water close to the working area. Do not wear contact lenses.

- Protection of hands and skin:

Install water taps or sources with clean water close to the working area. Barrier creams may help to protect the exposed areas of the skin. Barrier creams should not be applied once exposure has occurred.

Occupational exposure controls: Regulation (EU) No. 2016/425:

As a general measure on prevention and safety in the work place, we recommend the use of a basic personal protection equipment (PPE), with the corresponding marking. For more information on personal protective equipment (storage, use, cleaning, maintenance, type and characteristics of the PPE, protection class, marking, category, CEN norm, etc.), you should consult the informative brochures provided by the manufacturers of PPE.

|                     |                                                                                                                                                                                                                                                                                                                                                                                                     |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Mask:<br>           | Mask for gases and vapours (EN14387). Class 1: low capacity up to 1000 ppm, Class 2: medium capacity up to 5000 ppm, Class 3: high capacity up to 10000 ppm. In order to obtain a suitable protection level, the filter class must be selected depending on the type and concentration of the contaminating agents present, in accordance with the specifications supplied by the filter producers. |
| Safety goggles:<br> | Safety goggles for chemicals, with suitable lateral protection (EN166). Clean daily and disinfect at regular intervals in accordance with the instructions of the manufacturer.                                                                                                                                                                                                                     |
| Face shield:<br>    | Face shield against liquid splashes (EN166), advisable when there is a risk of spillage, diffusion or atomization of the liquid.                                                                                                                                                                                                                                                                    |



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Gloves:



Neoprene rubber gloves (EN374). Do not use PVC gloves as PVC absorbs acrylates. When repeated or prolonged contact with the product is expected, gloves of protection level 5 or higher should be used, with a breakthrough time of >240 min. When short contact with the product is expected, use gloves with a protection level 2 or higher should be used, with a breakthrough time >30 min. The breakthrough time of the selected glove material should be in accordance with the pretended period of use. There are several factors (for example, temperature), they do in practice the period of use of a protective gloves resistant against chemicals is clearly lower than the established standard EN374. Due to the wide variety of circumstances and possibilities, the instructions/specifications provided by the glove supplier should be taken into account. Use the proper technique of removing gloves (without touching glove's outer surface) to avoid contact of the product with the skin. The gloves should be immediately replaced when any sign of degradation is noted.

Boots:



Neoprene rubber boots (EN347).

Apron:

No.

**Clothing:**



Clothing resistant to corrosive products will have to be worn.

- Thermal hazards:

Not applicable (the product is handled at room temperature).

## ENVIRONMENTAL EXPOSURE CONTROLS:

Avoid any spillage in the environment.

- Spills on the soil:

Prevent contamination of soil.

- Spills in water:

Do not allow to escape into drains, sewers or water courses.

-Water Management Act:

This product does not contain any substance included in the list of priority substances in the field of water policy under Directive 2000/60/EC~2013/39/EU.

- Emissions to the atmosphere:

Not applicable.



Building together

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

|     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 9.1 | <div><div><div>INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES:</div><div><div><div>Appearance</div><div>Physical state: Liquid</div><div>Colour: Colourless</div><div>Odour: Characteristic</div><div>Odour threshold: Not available (mixture).</div></div><div><div>Change of state</div><div>Freezing point: Not available (mixture).</div><div>Initial boiling point: 205* °C at 760 mmHg</div></div><div><div>- Flammability:</div><div>Flashpoint 102* °C (Pensky-Martens) CLP 2.6.4.3.</div><div>Lower/upper flammability or explosive limits: Not available</div><div>Autoignition temperature: Not applicable (do not sustain combustion).</div></div><div><div>Stability</div><div>Decomposition temperature: Not available (technical impossibility to obtain the data).</div></div><div><div>pH-value</div><div>pH: Alkaline</div></div><div><div>- Viscosity:</div><div>Dynamic viscosity: Not available.</div><div>Kinematic viscosity: Not available.</div></div><div><div>- Solubility(ies):</div><div>Solubility in water 11,10332* g/l at 20°C</div><div>Liposolubility: Not applicable (inorganic product).</div><div>Partition coefficient: n-octanol/water: Not applicable (mixture).</div></div><div><div>- Volatility:</div><div>Vapour pressure: 0,0398* mmHg at 20°C</div><div>Vapour pressure: 0,0573* kPa at 50°C</div><div>Evaporation rate: Not available (lack of data).</div></div><div><div>Density</div><div>Relative density: 1,025* at 20/4°C Relative water</div><div>Relative vapour density: 3,92* at 20°C 1 atm. Relative air</div></div><div><div>Particle characteristics</div><div>Particle size: Not applicable.</div></div><div><div>- Explosive properties:</div><div>Not available.</div></div><div><div>- Oxidizing properties:</div><div>Not classified as oxidizing product.</div></div></div><div><div>*Estimated values based on the substances composing the mixture.</div></div></div></div> |
| 9.2 | <div><div><div>OTHER INFORMATION:</div><div><div><div>Information regarding physical hazard classes</div><div>No additional information available.</div></div><div><div>Other security features:</div><div>Nonvolatile: 46,12 * % Weight 1h. 60°C</div></div></div><div><div>The values indicated do not always coincide with product specifications. The data for the product specifications can be found in the corresponding technical data sheet. For additional information concerning physical and chemical properties related to safety and environment, see sections 7 and 12.</div></div></div></div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |



|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
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SECTION 10: STABILITY AND REACTIVITY

|      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 10.1 | <div><div>REACTIVITY:</div><div><div>- Corrosivity to metals:</div><div>Not available.</div></div><div><div>- Pyrophorical properties:</div><div>It is not pyrophoric.</div></div></div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 10.2 | <div><div>CHEMICAL STABILITY:</div><div>Stable under recommended storage and handling conditions.</div></div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 10.3 | <div><div>POSSIBILITY OF HAZARDOUS REACTIONS:</div><div>Possible dangerous reaction with oxidizing agents, acids, alkalis, peroxides, reducing agents, anhydrides.</div></div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 10.4 | <div><div>CONDITIONS TO AVOID:</div><div><div>- Heat:</div><div>Keep away from sources of heat.</div></div><div><div>- Light:</div><div>If possible, avoid direct contact with sunlight.</div></div><div><div>- Air:</div><div>The product is not affected by exposure to air, but should not be left the containers open.</div></div><div><div>- Humidity:</div><div>Avoid extreme humidity conditions.</div></div><div><div>- Pressure:</div><div>Not relevant.</div></div><div><div>- Shock:</div><div>The product is not sensitive to shocks, but as a recommendation of a general nature should be avoided bumps and rough handling to avoid dents and breakage of packaging, especially when the product is handled in large quantities, and during loading and download operations.</div></div></div> |
| 10.5 | <div><div>INCOMPATIBLE MATERIALS:</div><div>Keep away from oxidizing agents, from strongly alkaline and strongly acid materials.</div></div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 10.6 | <div><div>HAZARDOUS DECOMPOSITION PRODUCTS:</div><div>As consequence of thermal decomposition, hazardous products may be produced: nitrogen oxides.</div></div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

SECTION 11: TOXICOLOGICAL INFORMATION

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                   |                                 |                                                                                                                                          |                                       |                                        |                          |                               |                                    |                      |                               |                   |          |                                                                                                                                |                  |                         |                     |   |                                                                                                                                          |                  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|----------------------------------------|--------------------------|-------------------------------|------------------------------------|----------------------|-------------------------------|-------------------|----------|--------------------------------------------------------------------------------------------------------------------------------|------------------|-------------------------|---------------------|---|------------------------------------------------------------------------------------------------------------------------------------------|------------------|
| No experimental toxicological data on the preparation is available. The toxicological classification for these mixture has been carried out by using the conventional calculation method of the Regulation (EU) No. 1272/2008~2024/197 (CLP).                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                   |                                 |                                                                                                                                          |                                       |                                        |                          |                               |                                    |                      |                               |                   |          |                                                                                                                                |                  |                         |                     |   |                                                                                                                                          |                  |
| 11.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <u>INFORMATION ON HAZARD CLASSES AS DEFINED IN REGULATION (EC) NO 1272/2008 :</u> |                                 |                                                                                                                                          |                                       |                                        |                          |                               |                                    |                      |                               |                   |          |                                                                                                                                |                  |                         |                     |   |                                                                                                                                          |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <u>ACUTE TOXICITY:</u>                                                            |                                 |                                                                                                                                          |                                       |                                        |                          |                               |                                    |                      |                               |                   |          |                                                                                                                                |                  |                         |                     |   |                                                                                                                                          |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Dose and lethal concentrations for individual ingredients:                        | DL50 (OECD401)<br>mg/kg bw Oral | DL50 (OECD402)<br>mg/kg bw Cutaneous                                                                                                     | CL50 (OECD403)<br>mg/m3·4h Inhalation |                                        |                          |                               |                                    |                      |                               |                   |          |                                                                                                                                |                  |                         |                     |   |                                                                                                                                          |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 1,3-cyclohexanedimethanamine                                                      | 700 Rat                         | 1700 Rabbit                                                                                                                              |                                       |                                        |                          |                               |                                    |                      |                               |                   |          |                                                                                                                                |                  |                         |                     |   |                                                                                                                                          |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Nonylphenol ethoxylated(20)                                                       | > 2000 Rat                      | > 2000 Rabbit                                                                                                                            |                                       |                                        |                          |                               |                                    |                      |                               |                   |          |                                                                                                                                |                  |                         |                     |   |                                                                                                                                          |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Dibutyltin dilaurate                                                              | 2071 Rat                        | > 2000 Rat                                                                                                                               |                                       |                                        |                          |                               |                                    |                      |                               |                   |          |                                                                                                                                |                  |                         |                     |   |                                                                                                                                          |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Benzyl alcohol                                                                    | 1620 Rat                        | > 2000 Rabbit                                                                                                                            | > 4178 Rat                            |                                        |                          |                               |                                    |                      |                               |                   |          |                                                                                                                                |                  |                         |                     |   |                                                                                                                                          |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Estimates of acute toxicity (ATE) for individual ingredients:                     | ATE<br>mg/kg bw Oral            | ATE<br>mg/kg bw Cutaneous                                                                                                                | ATE<br>mg/m3·4h Inhalation            |                                        |                          |                               |                                    |                      |                               |                   |          |                                                                                                                                |                  |                         |                     |   |                                                                                                                                          |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 1,3-cyclohexanedimethanamine                                                      | 700                             | *1700                                                                                                                                    | -                                     |                                        |                          |                               |                                    |                      |                               |                   |          |                                                                                                                                |                  |                         |                     |   |                                                                                                                                          |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Benzyl alcohol                                                                    | *1200                           | -                                                                                                                                        | 11000 Vapours                         |                                        |                          |                               |                                    |                      |                               |                   |          |                                                                                                                                |                  |                         |                     |   |                                                                                                                                          |                  |
| (*) - Point estimates of acute toxicity corresponding to the classification category (see GHS/CLP Table 3.1.2). These values are designed to be used in the calculation of the ATE for classification of a mixture based on its components and do not represent test results.<br>(-) - The components that are assumed to have no acute toxicity at the upper threshold of category 4 for the corresponding exposure route are ignored.                                                                                                                                                                                                                                 |                                                                                   |                                 |                                                                                                                                          |                                       |                                        |                          |                               |                                    |                      |                               |                   |          |                                                                                                                                |                  |                         |                     |   |                                                                                                                                          |                  |
| <table><tr><td>- No observed adverse effect level</td><td>NOAEL Oral<br/>mg/kg bw/d</td><td>NOAEL Cutaneous<br/>mg/kg bw/d</td><td>NOAEC Inhalation<br/>mg/m3</td></tr><tr><td>Dibutyltin dilaurate</td><td>0,62 Rat</td><td></td><td></td></tr><tr><td>Benzyl alcohol</td><td>400 Rat</td><td></td><td>1072 Rat</td></tr></table>                                                                                                                                                                                                                                                                                                                                      |                                                                                   |                                 |                                                                                                                                          |                                       | - No observed adverse effect level     | NOAEL Oral<br>mg/kg bw/d | NOAEL Cutaneous<br>mg/kg bw/d | NOAEC Inhalation<br>mg/m3          | Dibutyltin dilaurate | 0,62 Rat                      |                   |          | Benzyl alcohol                                                                                                                 | 400 Rat          |                         | 1072 Rat            |   |                                                                                                                                          |                  |
| - No observed adverse effect level                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | NOAEL Oral<br>mg/kg bw/d                                                          | NOAEL Cutaneous<br>mg/kg bw/d   | NOAEC Inhalation<br>mg/m3                                                                                                                |                                       |                                        |                          |                               |                                    |                      |                               |                   |          |                                                                                                                                |                  |                         |                     |   |                                                                                                                                          |                  |
| Dibutyltin dilaurate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 0,62 Rat                                                                          |                                 |                                                                                                                                          |                                       |                                        |                          |                               |                                    |                      |                               |                   |          |                                                                                                                                |                  |                         |                     |   |                                                                                                                                          |                  |
| Benzyl alcohol                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 400 Rat                                                                           |                                 | 1072 Rat                                                                                                                                 |                                       |                                        |                          |                               |                                    |                      |                               |                   |          |                                                                                                                                |                  |                         |                     |   |                                                                                                                                          |                  |
| <table><tr><td>- Lowest observed adverse effect level</td><td>LOAEL Oral<br/>mg/kg bw/d</td><td>LOAEL Cutaneous<br/>mg/kg bw/d</td><td>LOAEC Inhalation<br/>mg/m3</td></tr><tr><td>Benzyl alcohol</td><td></td><td></td><td>1072 Rat</td></tr></table>                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                   |                                 |                                                                                                                                          |                                       | - Lowest observed adverse effect level | LOAEL Oral<br>mg/kg bw/d | LOAEL Cutaneous<br>mg/kg bw/d | LOAEC Inhalation<br>mg/m3          | Benzyl alcohol       |                               |                   | 1072 Rat |                                                                                                                                |                  |                         |                     |   |                                                                                                                                          |                  |
| - Lowest observed adverse effect level                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | LOAEL Oral<br>mg/kg bw/d                                                          | LOAEL Cutaneous<br>mg/kg bw/d   | LOAEC Inhalation<br>mg/m3                                                                                                                |                                       |                                        |                          |                               |                                    |                      |                               |                   |          |                                                                                                                                |                  |                         |                     |   |                                                                                                                                          |                  |
| Benzyl alcohol                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                   |                                 | 1072 Rat                                                                                                                                 |                                       |                                        |                          |                               |                                    |                      |                               |                   |          |                                                                                                                                |                  |                         |                     |   |                                                                                                                                          |                  |
| <u>INFORMATION ON LIKELY ROUTES OF EXPOSURE: ACUTE TOXICITY:</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                   |                                 |                                                                                                                                          |                                       |                                        |                          |                               |                                    |                      |                               |                   |          |                                                                                                                                |                  |                         |                     |   |                                                                                                                                          |                  |
| <table><tr><td>Routes of exposure</td><td>Acute toxicity</td><td>Cat.</td><td>Main effects, acute and/or delayed</td><td>Criteria</td></tr><tr><td>Inhalation:<br/>Not classified</td><td>ATE &gt; 20000 mg/m3</td><td>-</td><td>Not classified as a product with acute toxicity if inhaled (based on available data, the classification criteria are not met).</td><td>GHS/CLP 3.1.3.6.</td></tr><tr><td>Skin:<br/>Not classified</td><td>ATE &gt; 5000 mg/kg bw</td><td>-</td><td>Not classified as a product with acute toxicity in contact with skin (based on available data, the classification criteria are not met).</td><td>GHS/CLP 3.1.3.6.</td></tr></table> |                                                                                   |                                 |                                                                                                                                          |                                       | Routes of exposure                     | Acute toxicity           | Cat.                          | Main effects, acute and/or delayed | Criteria             | Inhalation:<br>Not classified | ATE > 20000 mg/m3 | -        | Not classified as a product with acute toxicity if inhaled (based on available data, the classification criteria are not met). | GHS/CLP 3.1.3.6. | Skin:<br>Not classified | ATE > 5000 mg/kg bw | - | Not classified as a product with acute toxicity in contact with skin (based on available data, the classification criteria are not met). | GHS/CLP 3.1.3.6. |
| Routes of exposure                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Acute toxicity                                                                    | Cat.                            | Main effects, acute and/or delayed                                                                                                       | Criteria                              |                                        |                          |                               |                                    |                      |                               |                   |          |                                                                                                                                |                  |                         |                     |   |                                                                                                                                          |                  |
| Inhalation:<br>Not classified                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | ATE > 20000 mg/m3                                                                 | -                               | Not classified as a product with acute toxicity if inhaled (based on available data, the classification criteria are not met).           | GHS/CLP 3.1.3.6.                      |                                        |                          |                               |                                    |                      |                               |                   |          |                                                                                                                                |                  |                         |                     |   |                                                                                                                                          |                  |
| Skin:<br>Not classified                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | ATE > 5000 mg/kg bw                                                               | -                               | Not classified as a product with acute toxicity in contact with skin (based on available data, the classification criteria are not met). | GHS/CLP 3.1.3.6.                      |                                        |                          |                               |                                    |                      |                               |                   |          |                                                                                                                                |                  |                         |                     |   |                                                                                                                                          |                  |



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| Eyes:<br>Not classified | Not available.       | -     | Not classified as a product with acute toxicity by eye contact (lack of data). | GHS/CLP 1.2.5.   |
| Ingestion:<br>          | ATE : 1.405 mg/kg bw | Cat.4 | HARMFUL: Harmful if swallowed.                                                 | GHS/CLP 3.1.3.6. |

GHS/CLP 3.1.3.6: Classification of mixtures based on ingredients of the mixture (additivity formula).

GHS/CLP 1.2.5: Classification of the mixture based on its components (supplementary hazard information).

CORROSION / IRRITATION / SENSITISATION :

| Danger class                                          | Target organs | Cat.   | Main effects, acute and/or delayed                                                                                                  | Criteria                   |
|-------------------------------------------------------|---------------|--------|-------------------------------------------------------------------------------------------------------------------------------------|----------------------------|
| - Respiratory corrosion/irritation:<br>Not classified | -             | -      | Not classified as a product corrosive or irritant by inhalation (based on available data, the classification criteria are not met). | GHS/CLP 1.2.6.<br>3.8.3.4. |
| - Skin corrosion/irritation:<br>                      | Skin<br>      | Cat.1A | CORROSIVE: Causes severe skin burns.                                                                                                | GHS/CLP 3.2.3.3.           |
| - Serious eye damage/irritation:<br>                  | Eyes<br>      | Cat.1  | DAMAGE: Causes serious eye damage.                                                                                                  | GHS/CLP 3.3.3.3.           |
| - Respiratory sensitisation:<br>Not classified        | -             | -      | Not classified as a product sensitising by inhalation (based on available data, the classification criteria are not met).           | GHS/CLP 3.4.3.3.           |
| - Skin sensitisation:<br>                             | Skin<br>      | Cat.1  | SENSITISING: May cause an allergic skin reaction.                                                                                   | GHS/CLP 3.4.3.3.           |

GHS/CLP 3.2.3.3: Classification of the mixture when data are available for all components or only for some components.

GHS/CLP 3.3.3.3: Classification of the mixture when data are available for all components or only for some components.

GHS/CLP 3.4.3.3: Classification of the mixture when data are available for all components or only for some components.

GHS/CLP 3.8.3.4: Classification of the mixture when data are available for all components or only for some components.

GHS/CLP 1.2.6: Classification of the mixture based on its components (supplementary hazard information).

- ASPIRATION HAZARD:

| Danger class                           | Target organs | Cat. | Main effects, acute and/or delayed                                                                                      | Criteria          |
|----------------------------------------|---------------|------|-------------------------------------------------------------------------------------------------------------------------|-------------------|
| - Aspiration hazard:<br>Not classified | -             | -    | Not classified as a product hazardous by aspiration (based on available data, the classification criteria are not met). | GHS/CLP 3.10.3.3. |

GHS/CLP 3.10.3.3: Classification of the mixture when data are available for all components or only for some components.

SPECIFIC TARGET ORGANS TOXICITY (STOT): Single exposure (SE) and/or Repeated exposure (RE):

| Effects     | SE/RE  | Target organs | Cat.  | Main effects, acute and/or delayed                                          | Criteria        |
|-------------|--------|---------------|-------|-----------------------------------------------------------------------------|-----------------|
| - Systemic: | SE<br> | Systemic<br>  | Cat.2 | HARMFUL: May cause damage to organs.                                        | GHS/CLP 3.8.3.4 |
| - Systemic: | RE<br> | Systemic<br>  | Cat.2 | HARMFUL: May cause damage to organs through prolonged or repeated exposure. | GHS/CLP 3.8.3.4 |

GHS/CLP 3.8.3.4: Classification of the mixture when data are available for all components or only for some components.

GHS/CLP 3.9.3.4: Classification of the mixture when data are available for all components or only for some components.

CMR EFFECTS:- Carcinogenic effects:

It is not considered as a carcinogenic product.

GHS/CLP 3.6.3.1: Classification of the mixture when data are available for all components or only for some components.

- Genotoxicity:

This preparation contains the following ingredients which can be mutagenic: Dibutyltin dilaurate (Cat.2)

GHS/CLP 3.5.3.1: Classification of the mixture when data are available for all components or only for some components.

- Toxicity for reproduction:

This preparation contains the following ingredients which can be toxic for human reproduction: Dibutyltin dilaurate (Cat.1B)

GHS/CLP 3.7.3.1: Classification of the mixture when data are available for all components or only for some components.

- Effects via lactation:

Not classified as a hazardous product for children breast-fed.

GHS/CLP 3.7.3.1: Classification of the mixture when data are available for all components or only for some components.



Building together

DANOFLOOR ES PRO COMP. B



Version: 1

Date of issue: 29/06/2026

Date of printing: 29/06/2026

|      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|      | <p><u>DELAYED AND IMMEDIATE EFFECTS AS WELL AS CHRONIC EFFECTS FROM SHORT AND LONG-TERM EXPOSURE:</u></p> <p><u>Routes of exposure</u></p> <p>May be absorbed by inhalation, through the skin and eyes, and by ingestion.</p> <p>- <u>Short-term exposure:</u></p> <p>Causes burns to the skin or eyes by direct contact or to the digestive tract if swallowed. The mists of fine particles are skin and respiratory tract irritants. Causes serious eye damage.</p> <p>- <u>Long-term or repeated exposure:</u></p> <p>May cause damage to organs through prolonged or repeated exposure.</p> <p><u>INTERACTIVE EFFECTS:</u></p> <p>Not available.</p> <p><u>INFORMATION ABOUT TOXICOCINETICS, METABOLISM AND DISTRIBUTION:</u></p> <p>- <u>Dermal absorption:</u></p> <p>This preparation contains the following substances for which dermal absorption can be very high: Dibutyltin dilaurate.</p> <p>- <u>Basic toxicokinetics:</u></p> <p>Not available.</p> <p><u>ADDITIONAL INFORMATION:</u></p> <p>Not available.</p> |
| 11.2 | <p><u>INFORMATION ON OTHER HAZARDS:</u></p> <p><u>Endocrine disrupting properties:</u></p> <p>This product does not contain substances with endocrine disrupting properties identified or under evaluation.</p> <p><u>Other information:</u></p> <p>No additional information available.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

SECTION 12: ECOLOGICAL INFORMATION

No experimental ecotoxicological data on the preparation as such is available. The ecotoxicological classification for these mixture has been carried out by using the conventional calculation method of the Regulation (EU) No. 1272/2008~2024/197 (CLP).

12.1

TOXICITY:

|                                                                    |                                   |                                   |                                   |
|--------------------------------------------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|
| - Acute toxicity in aquatic environment for individual ingredients | CL50 (OECD 203)<br>mg/l · 96hours | CE50 (OECD 202)<br>mg/l · 48hours | CE50 (OECD 201)<br>mg/l · 72hours |
| 1,3-cyclohexanedimethanamine                                       | 130 - Fishes                      | 33 - Daphniae                     | 100 - Algae                       |
| Dibutyltin dilaurate                                               | 3.1 - Fishes                      | 0.46 - Daphniae                   | 1 - Algae                         |
| Benzyl alcohol                                                     | 460 - Fishes                      | 230 - Daphniae                    | 770 - Algae                       |

|                                    |                                   |                                   |                                    |
|------------------------------------|-----------------------------------|-----------------------------------|------------------------------------|
| - No observed effect concentration | NOEC (OECD 210)<br>mg/l · 28 days | NOEC (OECD 211)<br>mg/l · 21 days | NOEC (OECD 201)<br>mg/l · 72 hours |
| Benzyl alcohol                     | 49 - Fishes                       | 51 - Daphniae                     | 310 - Algae                        |

- [Lowest observed effect concentration](#)

Not available

[ASSESSMENT OF AQUATIC TOXICITY:](#)

|                                                                                                                    |       |                                                                                                                                               |                         |
|--------------------------------------------------------------------------------------------------------------------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|
| Aquatic toxicity                                                                                                   | Cat.  | Main hazards to the aquatic environment                                                                                                       | Criteria                |
| - Acute aquatic toxicity:<br>Not classified                                                                        | -     | Not classified as a hazardous product with acute toxicity to aquatic life (based on available data, the classification criteria are not met). | GHS/CLP<br>4.1.3.5.5.3. |
| - Chronic aquatic toxicity:<br> | Cat.2 | TOXIC: Toxic to aquatic life with long lasting effects.                                                                                       | GHS/CLP<br>4.1.3.5.5.4. |

CLP 4.1.3.5.5.3: Classification of a mixture for acute hazards, based on summation of classified components.

CLP 4.1.3.5.5.4: Classification of a mixture for chronic (long term) hazards, based on summation of classified components.

12.2

PERSISTENCE AND DEGRADABILITY:

- [Biodegradability:](#)

Not available.

|                                                   |               |                                    |                  |
|---------------------------------------------------|---------------|------------------------------------|------------------|
| Aerobic biodegradation for individual ingredients | COD<br>mgO2/g | %DBO/DQO<br>5 days 14 days 28 days | Biodegradability |
| 1,3-cyclohexanedimethanamine                      |               | 29 - -                             | Not easy         |
| Nonylphenol ethoxylated(20)                       | 2180          | - - -                              | Not easy         |
| Dibutyltin dilaurate                              |               | - 20 22                            | Not easy         |
| Benzyl alcohol                                    | 2515          | 62 94 95                           | Easy             |

Note: Biodegradability data correspond to an average of data from various bibliographic sources.

- [Hydrolysis:](#)



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Not available.

|      |                            |
|------|----------------------------|
| 12.3 | BIOACCUMULATIVE POTENTIAL: |
|------|----------------------------|

| Bioaccumulation<br>for individual ingredients | logPow | BCF<br>L/kg       | Potential         |
|-----------------------------------------------|--------|-------------------|-------------------|
| 1,3-cyclohexanedimethanamine                  | 0.44   | 1 (calculated)    | No bioaccumulable |
| Nonylphenol ethoxylated(20)                   | 3.11   | 9.8 (calculated)  | High              |
| Dibutyltin dilaurate                          | 4.44   | 2.91 (calculated) | Unlikely, low     |
| Benzyl alcohol                                | 1.05   | 1.37 (calculated) | No bioaccumulable |

|      |                   |
|------|-------------------|
| 12 4 | MOBILITY IN SOIL: |
|------|-------------------|

| Mobility<br>for individual ingredients | log Po <sub>ow</sub> | Constant of Henry<br>Pa·m <sup>3</sup> /mol 20°C | Potential<br>bioaccumulation |
|----------------------------------------|----------------------|--------------------------------------------------|------------------------------|
| 1,3-cyclohexanedimethanamine           | 2,56                 | 0,088 (calculated)                               | No bioaccumulable            |
| Nonylphenol ethoxylated(20)            | 2,68                 |                                                  | High                         |
| Dibutyltin dilaurate                   | 2,19                 |                                                  | Unlikely, low                |
| Benzyl alcohol                         | 1,2                  |                                                  | No bioaccumulable            |

|      |                                                                                  |
|------|----------------------------------------------------------------------------------|
| 12.5 | RESULTS OF PBT AND VPVB ASSESMENT:(Annex XIII of Regulation (EC) no. 1907/2006:) |
|------|----------------------------------------------------------------------------------|

|      |                                  |
|------|----------------------------------|
| 12 6 | ENDOCRINE DISRUPTING PROPERTIES: |
|------|----------------------------------|

|      |                        |
|------|------------------------|
| 12.7 | OTHER ADVERSE EFFECTS: |
|------|------------------------|

Does not contain substances listed in Regulation (EU) No 2024/590 on substances that deplete the ozone layer.

- Photochemical ozone creation potential:

Not available.

- Earth global warming potential:

Not available.

## SECTION 13: DISPOSAL CONSIDERATIONS

Take all necessary measures to prevent the production of waste whenever possible. Analyse possible methods for revaluation or recycling. Do not discharge into drains or the environment, dispose at an authorised waste collection point. Waste should be handled and disposed in accordance with current local and national regulations. For exposure controls and personal protection measures, see section 8.

| LER code  | Description                                                                       | Type of waste |
|-----------|-----------------------------------------------------------------------------------|---------------|
| 08 01 11* | Waste paint and varnish containing organic solvents or other hazardous substances | Hazardous     |

### HP 6 Acute toxicity

#### HP 4 Irritant — skin irritation and eye damage

## HP 8 Corrosive

## HP 13 Sensitising

HP 11 Mutagenic

HP 10 Toxic for reproduction

HP 5 Specific Target Organ Toxicity (STOT)/Aspiration toxicity

HP 14 Ecotoxic

Disposal of empty containers: Directive 94/62/EC~2015/720/EU, Decision 2000/532/EC~2014/955/EU:

Emptied containers and packaging should be disposed in accordance with currently local and national regulations. The classification of packaging as hazardous waste will depend on the degree of emptying of the same, being the holder of the residue responsible for their classification, in accordance with Chapter 15 01 of Decision 2000/532/EC, and forwarding to the appropriate final destination. With contaminated containers and packaging, adopt the same measures as for the product in itself.

Procedures for neutralising or destroying the product:

Authorised landfill in accordance with local regulations.



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## SECTION 14: TRANSPORT INFORMATION

|      |                         |
|------|-------------------------|
| 14.1 | UN NUMBER OR ID NUMBER: |
|------|-------------------------|

|      |                          |
|------|--------------------------|
| 14.2 | UN PROPER SHIPPING NAME: |
|------|--------------------------|

|      |                             |
|------|-----------------------------|
| 14.3 | TRANSPORT HAZARD CLASS(ES): |
|------|-----------------------------|

Transport by rail (RID 2025):

- |                            |                                    |
|----------------------------|------------------------------------|
| - Class:                   | 8                                  |
| - Packing group:           | II                                 |
| - Classification code:     | C7                                 |
| - Tunnel restriction code: | (E)                                |
| - Transport category:      | 2, max. ADR 1.1.3.6. 333 L         |
| - Limited quantities:      | 1 L (see total exemptions ADR 3.4) |
| - Instructions in writing: | ADR 5.4.3.4                        |
| - Special provisions:      | 274                                |

Transport by sea (IMDG 41-22):

- Class: 8
- Packing group: II
- Emergency Sheet (EmS): F-A,S-B
- First Aid Guide (MFAG): 320
- Marine pollutant: Yes.

Transport by air (ICAO/IATA 2024):

- Class: 8
- Packing group: II

Transport by inland waterways (ADN):

|      |                |
|------|----------------|
| 14.4 | PACKING GROUP: |
|------|----------------|

|      |                               |
|------|-------------------------------|
| 14.5 | <u>ENVIRONMENTAL HAZARDS:</u> |
|------|-------------------------------|

|      |                               |
|------|-------------------------------|
| 14.6 | SPECIAL PRECAUTIONS FOR USER: |
|------|-------------------------------|

|      |                                                          |
|------|----------------------------------------------------------|
| 14.7 | MARITIME TRANSPORT IN BULK ACCORDING TO IMO INSTRUMENTS: |
|------|----------------------------------------------------------|

## SECTION 15: REGULATORY INFORMATION

|      |                                                                                                 |
|------|-------------------------------------------------------------------------------------------------|
| 15.1 | SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE: |
|------|-------------------------------------------------------------------------------------------------|

Restrictions on manufacture, placing on market and use:

See section 1.2

Tactile warning of danger:

Not applicable (product for professional or industrial use).

### Child safety protection:

Not applicable (product for professional or industrial use).

## OTHER REGULATIONS:

Not available.

### Control of the risks inherent in major accidents (Seveso III):

See section 7.2

Other local legislations:

The receiver should verify the possible existence of local regulations applicable to the chemical.

|      |                             |
|------|-----------------------------|
| 15.2 | CHEMICAL SAFETY ASSESSMENT: |
|------|-----------------------------|



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## SECTION 16 : OTHER INFORMATION

## 16.1 TEXT OF THE PHRASES AND NOTES REFERENCED IN SECTIONS 2 AND/OR 3:

Hazard statements according the Regulation (EU) No. 1272/2008~2024/197 (CLP), Annex III:

H302 Harmful if swallowed. H312 Harmful in contact with skin. H314 Causes severe skin burns and eye damage. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H319 Causes serious eye irritation. H332 Harmful if inhaled. H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects. H411 Toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects. H413 May cause long lasting harmful effects to aquatic life. H341 Suspected of causing genetic defects. H360FD May damage fertility. May damage the unborn child. H370 Causes damage to organs. H371 May cause damage to organs. H373 May cause damage to organs through prolonged or repeated exposure. H372 Causes damage to thymus through prolonged or repeated exposure if swallowed.

EVALUATION OF THE INFORMATION ON THE DANGER OF MIXTURES:

See sections 9.1, 11.1 and 12.1.

ADVICES ON ANY TRAINING APPROPRIATE FOR WORKERS:

It is recommended for all staff that will handle this product to carry out a basic training in occupational risk and prevention, in order to provide understanding and interpretation of Safety Data Sheets and labelling of products as well.

MAIN LITERATURE REFERENCES AND SOURCES FOR DATA:

- European Chemicals Agency: ECHA, <http://echa.europa.eu/>
- Access to European Union Law, <http://eur-lex.europa.eu/>
- Industrial Solvents Handbook, Ibert Mellan (Noyes Data Co., 1970).
- Threshold Limit Values, (AGCIH, 2021).
- European agreement on the international carriage of dangerous goods by road, (ADR 2025).
- International Maritime Dangerous Goods Code IMDG including Amendment 41-22 (IMO, 2022).

ABBREVIATIONS AND ACRONYMS:

List of abbreviations and acronyms that can be used (but not necessarily used) in this Safety Data Sheet:

- REACH: Regulation concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals.
- GHS: Globally Harmonized System of Classification and Labelling of Chemicals of the United Nations.
- CLP: European regulation on Classification, Labelling and Packaging of substances and chemical mixtures.
- EINECS: European Inventory of Existing Commercial Chemical Substances.
- ELINCS: European List of Notified Chemical Substances.
- CAS: Chemical Abstracts Service (Division of the American Chemical Society).
- UVCB: Substances of Unknown or Variable composition, complex reaction products or biological materials.
- SVHC: Substances of Very High Concern.
- PBT: Persistent, bioaccumulable and toxic substances.
- vPvB: Very persistent and very bioaccumulable substances.
- DNEL: Derived No-Effect Level (REACH).
- PNEC: Predicted No-Effect Concentration (REACH).
- LC50: Lethal concentration, 50 percent.
- LD50: Lethal dose, 50 percent.
- UN: United Nations Organisation.
- ADR: European agreement concerning the international carriage of dangerous goods by road.
- RID: Regulations concerning the international transport of dangerous goods by rail.
- IMDG: International Maritime code for Dangerous Goods.
- IATA: International Air Transport Association.
- ICAO: International Civil Aviation Organization.

SAFETY DATA SHEET REGULATIONS:

Safety Data Sheet in accordance with Article 31 of Regulation (EC) No. 1907/2006 (REACH) and Annex of Regulation (EU) No. 2020/878.

HISTORIC: REVISION:

Version: 1 29/06/2026

The information of this Safety Data Sheet, is based on the present state of knowledge and on current UE and national laws, as the users' working conditions are beyond our knowledge and control. The product is not to be used for other purposes than those specified, without first obtaining written handling instruction. It is always the responsibility of the user to take all necessary steps in order to fulfil the demand laid down in the local rules and legislation. The information in this Safety Data Sheet is meant as a description of the safety requirements of the product and it is not to be considered as a guarantee of the product's properties.

Safety Data Sheet (SDS) generated with the 6.0.0.201 version of the JMTCHEM software ([www.jmtchemsolutions.com](http://www.jmtchemsolutions.com)).