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**ARGOTEC REPARACIÓN R3**

**Version: 2** **Revision: 22/04/2025** Previous revision: 20/10/2023 Date of printing: 22/04/2025

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

1.1 PRODUCT IDENTIFIER:

# ARGOTEC REPARACIÓN R3
UFI: YH30-N0KA-P001-XKGM

1.2 RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST:

Intended uses (main technical functions): [X] Industrial [X] Professional [X] Consumers

Repair mortar

Sectors of use:

# Consumer uses (SU21).

Types of PCN use:

#

Uses advised against:

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".

Restrictions on manufacture, placing on market and use, according to Annex XVII of Regulation (EC) No. 1907/2006:

Not restricted.

1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET:

DANOSA - DERIVADOS ASFÁLTICOS NORMALIZADOS, S.A.
Polígono Industrial, Sector 9 - 19290 Fontanar (Guadalajara) ESPAÑA
Phone number: 949888210 - Fax: 949 888 223 - www.danosa.com

- E-mail address of the person responsible for the Safety Data Sheet:

info@danosa.com

1.4 EMERGENCY TELEPHONE NUMBER:

902 422 452 8:30-17:30 h

NPIS

National Poisons Information Service (NPIS) - In England, Wales or Scotland: dial 111 - In N Ireland: contact your local GP or pharmacist during normal hours.

## 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. 1272/2008~2022/692 (CLP):

DANGER:Skin Irrit. 2:H315|Eye Dam. 1:H318|Skin Sens. 1:H317|STOT SE (irrit.) 3:H335

| Danger class | Classification of the mixture | Cat. | Routes of exposure | Target organs | Effects |
|---|---|---|---|---|---|
| Physicochemical:<br>Not classified | | | | | |
| Human health: | Skin Irrit. 2:H315 c)<br>Eye Dam. 1:H318 c)<br>Skin Sens. 1:H317 c)<br>STOT SE (irrit.) 3:H335 c) | Cat.2<br>Cat.1<br>Cat.1<br>Cat.3 | Skin<br>Eyes<br>Skin<br>Inhalation | Skin<br>Eyes<br>Skin<br>Respiratory tract | Irritation<br>Serious lesions<br>Allergy<br>Irritation |
| Environment:<br>Not classified | | | | | |

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. 1272/2008~2022/692 (CLP).

- Hazard statements:

| | |
|---|---|
| H335 | May cause respiratory irritation. |
| H315 | Causes skin irritation. |
| H318 | Causes serious eye damage. |
| H317 | May cause an allergic skin reaction. |

#- Precautionary statements:

| | |
|---|---|
| P102 | Keep out of reach of children. |
| P280 | Wear protective gloves, clothing and eye protection. In case of inadequate ventilation wear respiratory protection. |
| P362+P364 | Take off contaminated clothing and wash it before reuse. |
| P303+P361+P353-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. |
| P304+P340-P312 | IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor if you feel unwell. |

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| | |
|---|---|
| P305+P351+P338-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. |
| P308+P310+P101 | IF exposed or concerned: Immediately call a POISON CENTER or doctor. If medical advice is needed, have product container or label at hand. |
| P501 | Dispose of contents/container to hazardous or special waste collection point. |

- Supplementary statements:

- Substances that contribute to classification:

Cement portland
Calcium aluminate

Other sensitizing components:

Calcium aluminate

2.3 OTHER HAZARDS:

Hazards which do not result in classification but which may contribute to the overall hazards of the mixture:

- Other physicochemical hazards:

No other relevant adverse effects are known.

- Other adverse human health effects:

No other relevant adverse effects are known.

- Other negative environmental effects:

Not applicable (inorganic mixture).

Endocrine disrupting properties:

This product does not contain substances with endocrine disrupting properties identified or under evaluation.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 SUBSTANCES:

Not applicable (mixture).

3.2 MIXTURES:

This product is a mixture.

Chemical description:

Mixture of chemical substances.

HAZARDOUS INGREDIENTS:

Substances taking part in a percentage higher than the exemption limit:

| | | |
|---|---|---|
| 20 < C < 25 % | Cement portland<br>CAS: 65997-15-1, EC: 266-043-4, REACH: Exempt (annex IV)<br>CLP: Danger: Skin Irrit. 2:H315 \| Eye Dam. 1:H318 \| STOT SE (irrit.) 3:H335 \| Skin Sens. 1B:H317 | Notified |
| C < 1 % | Calcium aluminate<br>CAS: 12005-57-1, EC: 234-470-5<br>CLP: Danger: Skin Irrit. 2:H315 \| Eye Dam. 1:H318 \| Skin Sens. 1:H317 \| STOT SE (irrit.) 3:H335 | Autoclasificada |

Impurities:

The marketed product is poor in chromate itself or by reducing its content of Cr(VI) soluble in water.Content of soluble Cr(VI) < 2 mg/kg (0,0002%) with respect to total weight of dry cement.

Stabilizers:

None.

Reference to other sections:

For more information on hazardous ingredients, see sections 8, 11, 12 and 16.

SUBSTANCES OF VERY HIGH CONCERN (SVHC):

List updated by ECHA on 21/01/2025.

Substances SVHC subject to authorisation, included in Annex XIV of Regulation (EC) no. 1907/2006:

None.

Substances SVHC candidate to be included in Annex XIV of Regulation (EC) no. 1907/2006:

N,N-dimethylacetamide. CMR/Repr.Cat.1B (Article 57c), Decision: ED/77/2011.

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 2019/1021~2020/784 on persistent organic pollutants:

None.

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## 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 irritation to mucus, coughing and breathlessness. | This product is not volatile.As the product is solid, hazard is rather low.Should there be any symptoms, transfer the person affected to the open air. |
| Skin: | Skin contact causes redness and pain. | Remove contaminated clothing.Wash thoroughly the affected area with plenty of cold or lukewarm water and neutral soap, or use a suitable skin cleanser. |
| 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.Call a physician immediately. |
| Ingestion: | If swallowed, may cause irritation of the mouth, throat and oesophagus. | If swallowed, seek medical advice immediately and show container or label. Do not induce vomiting.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.

## SECTION 5: FIREFIGHTING MEASURES

### 5.1 EXTINGUISHING MEDIA:

In case of fire in the surroundings, all extinguishing agents are allowed.

### 5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE:

As consequence of combustion or thermal decomposition, hazardous products may be produced: .Exposure to combustion or decomposition products may be a hazard to health.

### 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.

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## SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:

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:

Sweep spilt product. 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:

Avoid any type of leakage or escape.Keep the container tightly closed.

- Recommendations for the prevention of fire and explosion risks:

The product is not liable to ignite, deflagrate or explode, and does not sustain the combustion reaction by oxygen from air in the environment in which it is, so it is not included in the scope of Directive 2014/34/EU concerning equipment and protective systems intended for use in potentially explosive atmospheres.

- Recommendations for the prevention of toxicological risks:

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. Keep away from sources of heat. Avoid extreme humidity conditions. In order to avoid leakages, the containers, after use, should be closed carefully and placed in a vertical position. For more information, see section 10.

- Class of store:

According to current legislation.

- Maximum storage period:

12 Months.

- Temperature interval:

min:5 ºC, max:40 ºC (recommended).

- Incompatible materials:

Keep away from acids.

- Type of packaging:

According to current legislation.

- Limit quantity (Seveso III): Directive 2012/18/EU:

Not applicable (product for non industrial use).

### 7.3 SPECIFIC END USE(S):

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

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## 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 assesing 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/m3 | ppm | mg/m3 | |
| Cement portland | 2010 | - | 1 | - | - | A4, Breathable fraction |

WEL - Workplace Exposure Limit, TWA - Time Weighted Average (8 hours), STEL - Short Term Exposure Limit (15 min).
A4 - Non classified as carcinogenic in humans.

- 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 a 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 mg/m3 | | DNEL Cutaneous mg/kg bw/d | | DNEL Oral mg/kg bw/d | |
|---|---|---|---|---|---|---|
| Cement portland | - (a) | - (c) | - (a) | - (c) | - (a) | - (c) |
| Calcium aluminate | - (a) | - (c) | - (a) | - (c) | - (a) | - (c) |
| - DERIVED NO-EFFECT LEVEL, WORKERS:- Local effects, acute and chronic: | DNEL Inhalation mg/m3 | | DNEL Cutaneous mg/cm2 | | DNEL Eyes mg/cm2 | |
| Cement portland | - (a) | - (c) | - (a) | - (c) | - (a) | - (c) |
| Calcium aluminate | - (a) | - (c) | - (a) | - (c) | - (a) | - (c) |
| - DERIVED NO-EFFECT LEVEL, GENERAL POPULATION:- Systemic effects, acute and chronic: | DNEL Inhalation mg/m3 | | DNEL Cutaneous mg/kg bw/d | | DNEL Eyes mg/kg bw/d | |
| Cement portland | - (a) | - (c) | - (a) | - (c) | - (a) | - (c) |
| Calcium aluminate | - (a) | - (c) | - (a) | - (c) | - (a) | - (c) |
| - LOCAL EFFECTS, ACUTE AND CHRONIC:- Local effects, acute and chronic: | DNEL Inhalation mg/m3 | | DNEL Cutaneous mg/cm2 | | DNEL Eyes mg/cm2 | |
| Cement portland | - (a) | - (c) | - (a) | - (c) | - (a) | - (c) |
| Calcium aluminate | - (a) | - (c) | - (a) | - (c) | - (a) | - (c) |

(a) - Acute, short-term exposure, (c) - Chronic, long-term or repeated exposure.
(-) - DNEL not available (without data of registration REACH).

- PREDICTED NO-EFFECT CONCENTRATION (PNEC):

| - PREDICTED NO-EFFECT CONCENTRATION, AQUATIC ORGANISMS:- Fresh water, marine water and intermittent release: | PNEC Fresh water mg/l | PNEC Marine mg/l | PNEC Intermittent mg/l |
|---|---|---|---|
| Cement portland | - | - | - |
| Calcium aluminate | - | - | - |
| - WASTEWATER TREATMENT PLANTS (STP) AND SEDIMENTS IN FRESH- AND MARINE WATER: | PNEC STP mg/l | PNEC Sediments mg/kg dw/d | PNEC Sediments mg/kg dw/d |
| Cement portland | - | - | - |
| Calcium aluminate | - | - | - |
| - PREDICTED NO-EFFECT CONCENTRATION, TERRESTRIAL ORGANISMS:- Air, soil and effects for predators and humans: | PNEC Air mg/m3 | PNEC Soil mg/kg dw/d | PNEC Oral mg/kg dw/d |
| Cement portland | - | - | - |
| Calcium aluminate | - | - | - |

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

8.2 EXPOSURE CONTROLS:

ENGINEERING MEASURES:

Provide adequate cleaning.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 particles below the Occupational Exposure Limits, suitable respiratory protection must be worn.

- Protection of respiratory system:

Avoid the inhalation of product.

- Protection of eyes and face:

# Install water taps or sources with clean water close to the working area.

- Protection of hands and skin:

It is recommended to 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: ✓ | Suitable respiratory protection at low concentrations or short-term incidence:P2-type filter mask (white), with medium retention ability, for irritant or harmful solid particles or aerossols (EN143), Inward leakage: 8%, Assigned protection factor: up to 10 times TLV.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.Particle filters must be disposed when you notice an increase in breathing resistance. |
| Safety goggles: ✓ | Safety goggles with suitable lateral protection (EN166).Clean daily and disinfect at regular intervals in accordance with the instructions of the manufacturer. |
| Face shield: | No. |
| Gloves: ✓ | Gloves resistant against chemicals (EN374).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: | No. |
| Apron: | No. |
| Clothing: | Advisable. |

- 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.

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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES:

**Appearance**

| | | |
|---|---|---|
| Physical state: | Solid | |
| Colour: | # Grey | |
| Odour: | Characteristic | |
| Odour threshold: | Not available (mixture). | |

**Change of state**

| | | |
|---|---|---|
| Melting point: | Not available (mixture). | |
| Initial boiling point: | Not applicable. | |

**- Flammability:**

| | | |
|---|---|---|
| Flashpoint: | Not applicable (solid). | |
| Lower/upper flammability or explosive limits: | Not applicable - Not applicable | |
| Autoignition temperature: | Not applicable (do not sustain combustion). | |

**Stability**

| | | |
|---|---|---|
| Decomposition temperature: | Not available (technical impossibility to obtain the data). | |

**pH-value**

| | | |
|---|---|---|
| pH: | #Not available | |

**- Viscosity:**

| | | |
|---|---|---|
| Kinematic viscosity: | Not applicable (solid). | |

**- Solubility(ies):**

| | | |
|---|---|---|
| Solubility in water | Not available | |
| Liposolubility: | Not applicable (inorganic product). | |
| Partition coefficient: n-octanol/water: | Not applicable (inorganic product). | |

**- Volatility:**

| | | |
|---|---|---|
| Evaporation rate: | Not applicable. | |

**Density**

| | | |
|---|---|---|
| Relative density: | # 2,722* at 20/4ºC | Relative water |
| Relative vapour density: | # Not applicable (solid). | |

**Particle characteristics**

| | | |
|---|---|---|
| Particle size: | Not available. | |

**- Explosive properties:**

Not available.

**- Oxidizing properties:**

Not classified as oxidizing product.

*Estimated values based on the substances composing the mixture.

### 9.2 OTHER INFORMATION:

**Information regarding physical hazard classes**

No additional information available.

**Other security features:**

| | | |
|---|---|---|
| Nonvolatile: | 100,00 * % Weight | 1h. 60ºC |

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.

## SECTION 10: STABILITY AND REACTIVITY

10.1 REACTIVITY:

- Corrosivity to metals:

It is not corrosive to metals.

- Pyrophorical properties:

It is not pyrophoric.

10.2 CHEMICAL STABILITY:

Stable under recommended storage and handling conditions.

10.3 POSSIBILITY OF HAZARDOUS REACTIONS:

Possible dangerous reaction with acids.

10.4 CONDITIONS TO AVOID:

- Heat:

Keep away from sources of heat.

- Light:

Not applicable.

- Air:

The product is not affected by exposure to air, but should not be left the containers open.

- Humidity:

Avoid extreme humidity conditions.

- Pressure:

Not relevant.

- Shock:

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.

10.5 INCOMPATIBLE MATERIALS:

Keep away from acids.

10.6 HAZARDOUS DECOMPOSITION PRODUCTS:

As consequence of thermal decomposition, hazardous products may be produced: carbon monoxide.

## 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. 1272/2008~2022/692 (CLP).

11.1 INFORMATION ON HAZARD CLASSES AS DEFINED IN REGULATION (EC) NO 1272/2008 :

ACUTE TOXICITY:

Dose and lethal concentrations for individual ingredients:

Not available

Estimates of acute toxicity (ATE) for individual ingredients:

Not classified as a product with acute toxicity.

- No observed adverse effect level

Not available

- Lowest observed adverse effect level

Not available

INFORMATION ON LIKELY ROUTES OF EXPOSURE: ACUTE TOXICITY:

| 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. |
| 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>Not classified | ATE > 2000 mg/kg bw | Not available. | Not classified as a product with acute toxicity if swallowed (based on available data, the classification criteria are not met). | GHS/CLP 3.1.3.6. |

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

CORROSION / IRRITATION / SENSITISATION :

| Danger class | Target organs | Cat. | Main effects, acute and/or delayed | Criteria |
|---|---|---|---|---|

| | | | | |
|---|---|---|---|---|
| - Respiratory corrosion/irritation: | Respiratory tract | Cat.3 | IRRITANT: May cause respiratory irritation. | GHS/CLP 1.2.6. 3.8.3.4. |
| - Skin corrosion/irritation: | Skin | Cat.2 | IRRITANT: Causes skin irritation. | GHS/CLP 3.2.3.3. |
| - Serious eye damage/irritation: | Eyes | Cat.1 | DAMAGE: Causes serious eye damage. | GHS/CLP 3.3.3.3. |
| - Respiratory sensitisation: 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: | Skin | 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.

- ASPIRATION HAZARD:

| Danger class | Target organs | Cat. | Main effects, acute and/or delayed | Criteria |
|---|---|---|---|---|
| - Aspiration hazard: Not classified | - | - | Not applicable (solid). | 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 |
|---|---|---|---|---|---|
| - Respiratory effects: | SE | Respiratory tract | Cat.3 | IRRITANT: May cause respiratory irritation. | 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.

CMR EFFECTS:

- Carcinogenic effects:

It is not considered as a carcinogenic product.

- Genotoxicity:

It is not considered as a mutagenic product.

- Toxicity for reproduction:

Does not harm fertility.Does not harm the unborn child.

- Effects via lactation:

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

DELAYED AND IMMEDIATE EFFECTS AS WELL AS CHRONIC EFFECTS FROM SHORT AND LONG-TERM EXPOSURE:

Routes of exposure

# Not available.

- Short-term exposure:

Causes skin irritation. Causes serious eye damage.

- Long-term or repeated exposure:

Not available.

INTERACTIVE EFFECTS:

Not available.

INFORMATION ABOUT TOXICOCINETICS, METABOLISM AND DISTRIBUTION:

- Dermal absorption:

Not available.

- Basic toxicokinetics:

Not available.

ADDITIONAL INFORMATION:

Some people may develop eczema by exposure to dust from wet cement, caused either by high pH which causes dermatitis irritation after prolonged contact,

11.2 INFORMATION ON OTHER HAZARDS:

Endocrine disrupting properties:

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This product does not contain substances with endocrine disrupting properties identified or under evaluation.

Other information:

No additional information available.

## 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. 1272/2008~2022/692 (CLP).

12.1 TOXICITY:

- Acute toxicity in aquatic environment

Not available

- No observed effect concentration

Not available

- Lowest observed effect concentration

Not available

ASSESSMENT OF AQUATIC TOXICITY:

| Aquatic toxicity | Cat. | Main hazards to the aquatic environment | Criteria |
|---|---|---|---|
| - Acute aquatic toxicity: 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 4.1.3.5.5.3. |
| - Chronic aquatic toxicity: | - | Not classified as a dangerous product with chronic toxicity to aquatic life with long lasting effects (based on available data, the classification criteria are not met). | GHS/CLP 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.

- Hydrolysis:

Not available.

- Photodegradability:

Not available.

12.3 BIOACCUMULATIVE POTENTIAL:

# May bioaccumulate.

| Bioaccumulation for individual ingredients | logPow | BCF L/kg | Potential |
|---|---|---|---|
| Cement portland | | | Not available |
| Calcium aluminate | | | Not available |

12.4 MOBILITY IN SOIL:

Not available

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

Not applicable (inorganic mixture).

12.6 ENDOCRINE DISRUPTING PROPERTIES:

This product does not contain substances with endocrine disrupting properties identified or under evaluation.

12.7 OTHER ADVERSE EFFECTS:

- Ozone depletion potential:

# 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.

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## SECTION 13: DISPOSAL CONSIDERATIONS

13.1 WASTE TREATMENT METHODS:Directive 2008/98/EC~Regulation (EU) no. 1357/2014:

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 |
|---|---|---|
| | | Hazardous |

Type of waste according to Regulation (EU) No. 1357/2014:

HP 4 Irritant — skin irritation and eye damage
HP 13 Sensitising
HP 5 Specific Target Organ Toxicity (STOT)/Aspiration toxicity

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 empting 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.

## SECTION 14: TRANSPORT INFORMATION

14.1 UN NUMBER OR ID NUMBER:

Not applicable

14.2 UN PROPER SHIPPING NAME:

Not applicable

14.3 TRANSPORT HAZARD CLASS(ES):

Transport by road (ADR 2025) and
Transport by rail (RID 2025):

No reglamented

Transport by sea (IMDG 41-22):

No reglamented

Transport by air (ICAO/IATA 2024):

No reglamented

Transport by inland waterways (ADN):

No reglamented

14.4 PACKING GROUP:

No reglamented

14.5 ENVIRONMENTAL HAZARDS:

# Not applicable.

14.6 SPECIAL PRECAUTIONS FOR USER:

Ensure that persons transporting the product know what to do in case of accident or spill. Always transport in closed containers that are upright and secure.

14.7 MARITIME TRANSPORT IN BULK ACCORDING TO IMO INSTRUMENTS:

Not applicable.

## SECTION 15: REGULATORY INFORMATION

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

The regulations applicable to this product generally are listed throughout this Safety Data Sheet.

Restrictions on manufacture, placing on market and use:

See section 1.2

Tactile warning of danger:

Not applicable (the classification criteria are not met).

Child safety protection:

Not applicable (the classification criteria are not met).

Control of Cr(VI) soluble:

For cement treated with a Cr(VI) reducing agent the effect of the reducing agent decreases with time.

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:

A chemical safety assessment has not been carried out for this mixture.

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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. 1272/2008~2022/692 (CLP), Annex III:

H315 Causes skin irritation. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H335 May cause respiratory irritation.

### 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/
· 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 regularion on Classificatin, Labelling amd 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 dangeous goods by road.
· RID: Regulations concerning the international transport of dangeous 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 20/10/2023
Version: 2 22/04/2025

### Changes since previous Safety Data Sheet:

Legislative, contextual, numerical, methodological and normative changes since the previous version of the present Safety Data Sheet are identified by #.

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 conditionsare 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.

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