# SAFETY DATA SHEET
(in accordance with Regulation (EU) 2020/878)

LUNIK

# SC011000-STONECARPET Binder 1C



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

**1.1 Product identifier.**

Product Name: STONECARPET Binder 1C
Product Code: SC011000

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

Protective and functional paints/coatings

**Uses advised against:**
Uses other than those recommended.

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

Company: **Pulsatia S.L.**
Address: Calle Benifaió, 38
City: 46610 - Guadassuar
Province: Valencia
Telephone: +34 960528503
E-mail: hello@lunik.cc
Web: www.lunik.cc

**1.4 Emergency telephone number:** +34 960528503 (Only available during office hours; -; 08:00-03:00)

## SECTION 2: HAZARDS IDENTIFICATION.

**2.1 Classification of the substance or mixture.**
The product is not classified as hazardous within the meaning of Regulation (EC) No 1272/2008.

**2.2 Label elements.**
EUH statements:
EUH208 Contains reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1). May produce an allergic reaction.
EUH210 Safety data sheet available on request.

**2.3 Other hazards.**

The mixture does not contain substances classified as PBT.
The mixture does not contain substances classified as vPvB.
The mixture does not contain any endocrine disrupting properties substances.

In normal use conditions and in its original form, the product itself does not involve any other risk for health and the environment.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS.

**3.1 Substances.**
Not applicable.

**3.2 Mixtures.**

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Substances posing a danger to health or the environment in accordance with the Regulation (EC) No. 1272/2008, assigned a Community exposure limit in the workplace, and classified as PBT/vPvB or included in the Candidate List:

| Identifiers | Name | Concentrate | (*)Classification - Regulation (EC) No 1272/2008 | |
|---|---|---|---|---|
| | | | Classification | Specifics concentration limits and Acute toxicity estimate |
| Index No: 613-167-00-5<br>CAS No: 55965-84-9 | reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) | 0 - 0.0015 % | Acute Tox. 2, H310 - Acute Tox. 2, H330 - Acute Tox. 3, H301 - Aquatic Acute 1, H400 (M=100) - Aquatic Chronic 1, H410 (M=100) - Eye Dam. 1, H318 - Skin Corr. 1C, H314 - Skin Sens. 1A, H317, EUH071 | Skin Corr. 1C, H314: C ≥ 0,6 %<br>Skin Irrit. 2, H315: 0,06 % ≤ C < 0,6 %<br>Eye Irrit. 2, H319: 0,06 % ≤ C < 0,6 %<br>Skin Sens. 1A, H317: C ≥ 0,0015 %<br>Eye Dam. 1, H318: C ≥ 0,6 % |

(*) *The complete text of the H phrases is given in section 16 of this Safety Data Sheet.*

## SECTION 4: FIRST AID MEASURES.

**4.1 Description of first aid measures.**
Due to the composition and type of the substances present in the product, no particular warnings are necessary.

**Inhalation.**
If breathing stops, seek emergency medical attention. Take the victim into open air; keep them warm and calm. If breathing is irregular or stops, perform artificial respiration.

**Eye contact.**
Remove contact lenses, if present and if it is easy to do. Wash eyes with plenty of clean and cool water for at least 10 minutes while pulling eyelids up, and seek medical assistance.

**Skin contact.**
Remove contaminated clothing.

**Ingestion.**
Keep calm. NEVER induce vomiting.

**4.2 Most important symptoms and effects, both acute and delayed.**
No known acute or delayed effects from exposure to the product.

**4.3 Indication of any immediate medical attention and special treatment needed.**
In case of doubt or when symptoms of feeling unwell persist, get medical attention. Never administer anything orally to persons who are unconscious.

## SECTION 5: FIREFIGHTING MEASURES.

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**5.1 Extinguishing media.**
**Suitable extinguishing media:**
Extinguisher powder or CO2. In case of more serious fires, also alcohol-resistant foam and water spray.

**Unsuitable extinguishing media:**
Do not use a direct stream of water to extinguish. In the presence of electrical voltage, you cannot use water or foam as extinguishing media.

**5.2 Special hazards arising from the substance or mixture.**
**Special risks.**
Exposure to combustion or decomposition products can be harmful to your health.

**5.3 Advice for firefighters.**
Use water to cool tanks, cisterns, or containers close to the heat source or fire. Take wind direction into account.

**Fire protection equipment.**
According to the size of the fire, it may be necessary to use protective suits against the heat, individual breathing equipment, gloves, protective goggles or facemasks, and boots.

## SECTION 6: ACCIDENTAL RELEASE MEASURES.

**6.1 Personal precautions, protective equipment and emergency procedures.**
For exposure control and individual protection measures, see section 8.

**6.2 Environmental precautions.**
Product not classified as hazardous for the environment, avoid spillage as much as possible.

**6.3 Methods and material for containment and cleaning up.**
Contain and collect spillage with inert absorbent material (earth, sand, vermiculite, Kieselguhr...) and clean the area immediately with a suitable decontaminant.
Deposit waste in closed and suitable containers for disposal, in compliance with local and national regulations (see section 13).

**6.4 Reference to other sections.**
For exposure control and individual protection measures, see section 8.
For later elimination of waste, follow the recommendations under section 13.

## SECTION 7: HANDLING AND STORAGE.

**7.1 Precautions for safe handling.**
The product does not require special handling measures, the following general measures are recommended:
For personal protection, see section 8.
In the application area, smoking, eating, and drinking must be prohibited.
Follow legislation on occupational health and safety.
Never use pressure to empty the containers. They are not pressure-resistant containers. Keep the product in containers made of a material identical to the original.

**7.2 Conditions for safe storage, including any incompatibilities.**
The product does not require special storage measures.As general storage measures, sources of heat, radiation, electricity and contact with food should be avoided.

*-Continued on next page.-*

Keep away from oxidising agents and from highly acidic or alkaline materials.
Store the containers between 5 and 25 º C, in a dry and well-ventilated place.
Store according to local legislation. Observe indications on the label. Once the containers are open, they must be carefully closed and placed vertically to prevent spills.

The product is not affected by Directive 2012/18/EU (SEVESO III).

**7.3 Specific end use(s).**
Not available.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION.

**8.1 Control parameters.**

Work exposure limit for:

| Name | CAS No. | Country | Limit value | ppm | mg/m³ |
|---|---|---|---|---|---|
| formaldehyde ...% | 50-00-0 | European Union [1] | **Eight hours** | 0,3 | 0,37 |
| | | | **Short term** | 0,6 | 0,74 |

*[1] According both Binding Occupational Esposure Limits (BOELVs) and Indicative Occupational Exposure Limits (IOELVs) adopted by Scientific Committee for Occupational Exposure Limits to Chemical Agents (SCOEL).*
The product does NOT contain substances with Biological Limit Values.
**8.2 Exposure controls.**

**Measures of a technical nature:**
Provide adequate ventilation, which can be achieved by using good local exhaust-ventilation and a good general exhaust system.

| | |
|---|---|
| **Concentration:** | **100 %** |
| **Uses:** | **Protective and functional paints/coatings** |
| **Breathing protection:** | |
| If the recommended technical measures are observed, no individual protection equipment is necessary. | |
| **Hand protection:** | |
| If the product is handled correctly, no individual protection equipment is necessary. | |
| **Eye protection:** | |
| If the product is handled correctly, no individual protection equipment is necessary. | |
| **Skin protection:** | |
| PPE: | Work footwear. |
| Characteristics: | «CE» marking, category II. |
| CEN standards: | EN ISO 13287, EN 20347 |
| Maintenance: | This product adapts to the first user's foot shape. That is why, as well as for hygienic reasons, it should not be used by other people. |
| Observations: | Work footwear for professional use includes protection elements aimed at protecting users against any injury resulting from an accident |

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES.

**9.1 Information on basic physical and chemical properties.**
Physical state: Liquid
Colour: colorless
Odour: Not applicable/Not available due to the nature/properties of the product
Odour threshold: Not applicable/Not available due to the nature/properties of the product

*-Continued on next page.-*

Melting point: Not applicable/Not available due to the nature/properties of the product
Freezing point: Not applicable/Not available due to the nature/properties of the product
Boiling point or initial boiling point and boiling range: Not applicable/Not available due to the nature/properties of the product
Flammability: Not applicable/Not available due to the nature/properties of the product
Lower explosion limit: Not applicable/Not available due to the nature/properties of the product
Upper explosion limit: Not applicable/Not available due to the nature/properties of the product
Flash point: > 60 ºC
Auto-ignition temperature: Not applicable/Not available due to the nature/properties of the product
Decomposition temperature: Not applicable/Not available due to the nature/properties of the product
pH: 7,5 (100%)
Kinematic viscosity: Not applicable/Not available due to the nature/properties of the product
Solubility: Not applicable/Not available due to the nature/properties of the product
Hydrosolubility: Not applicable/Not available due to the nature/properties of the product
Liposolubility: Not applicable/Not available due to the nature/properties of the product
Partition coefficient n-octanol/water (log value): Not applicable/Not available due to the nature/properties of the product
Vapour pressure: Not applicable/Not available due to the nature/properties of the product
Absolute density: Not applicable/Not available due to the nature/properties of the product
Relative density: Not applicable/Not available due to the nature/properties of the product
Relative vapour density: Not applicable/Not available due to the nature/properties of the product
Particle characteristics: Not applicable/Not available due to the nature/properties of the product

**9.2 Other information**
Not applicable/Not available due to the nature/properties of the product

## SECTION 10: STABILITY AND REACTIVITY.

**10.1 Reactivity.**
The product does not present hazards by their reactivity.

**10.2 Chemical stability.**
Stable under the recommended handling and storage conditions (see section 7).

**10.3 Possibility of hazardous reactions.**
The product does not present possibility of hazardous reactions.

**10.4 Conditions to avoid.**
Avoid any improper handling.

**10.5 Incompatible materials.**
Keep away from oxidising agents and from highly alkaline or acidic materials in order to prevent exothermic reactions.

**10.6 Hazardous decomposition products.**
No decomposition if used for the intended uses.

## SECTION 11: TOXICOLOGICAL INFORMATION.

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

**Toxicological information about the substances present in the composition.**

| Name | Acute toxicity | | | |
|---|---|---|---|---|
| | Type | Test | Kind | Value |
| reaction mass of 5-chloro-2-methyl-2H-isothiazol- | Oral | LD50 | Rat | 53 mg/kg bw [1] |

*-Continued on next page.-*

| | | |
|---|---|---|
| 3-one and 2-methyl-2H-isothiazol-3-one (3:1) | | [1] Mutation Research. Vol. 118, Pg. 129, 1983 |
| | Dermal | |
| CAS No: 55965-84-9 | Inhalation | |

a) acute toxicity;
Not conclusive data for classification.

b) skin corrosion/irritation;
Based on available data, the classification criteria are not met.

c) serious eye damage/irritation;
Based on available data, the classification criteria are not met.

d) respiratory or skin sensitisation;
Based on available data, the classification criteria are not met.

e) germ cell mutagenicity;
Not conclusive data for classification.

f) carcinogenicity;
Not conclusive data for classification.

g) reproductive toxicity;
Not conclusive data for classification.

h) STOT-single exposure;
Not conclusive data for classification.

i) STOT-repeated exposure;
Not conclusive data for classification.

j) aspiration hazard;
Not conclusive data for classification.

**11.2 Information on other hazards.**
**Endocrine disrupting properties**
This product does not contain components with endocrine-disrupting properties with effects on human health.
**Other information**
There is no information available on other adverse health effects.

## SECTION 12: ECOLOGICAL INFORMATION.

**12.1 Toxicity.**

| Name | Ecotoxicity | | | |
|---|---|---|---|---|
| | Type | Test | Kind | Value |
| reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3- | Fish | LC50 | Fish | 0,36 mg/l (96 h) [1] |
| | | LC50 | Fish | 0,19 mg/l (96 h) [2] |

*-Continued on next page.-*

| | | |
|---|---|---|
| one (3:1)<br><br>CAS No: 55965-84-9 EC No: | | [1] Office of Pesticide Programs 2000. Pesticide Ecotoxicity Database (Formerly: Environmental Effects Database (EEDB)). Environmental Fate and Effects Division, U.S.EPA, Washington, D.C<br>[2] Office of Pesticide Programs 2000. Pesticide Ecotoxicity Database (Formerly: Environmental Effects Database (EEDB)). Environmental Fate and Effects Division, U.S.EPA, Washington,D.C |
| | Aquatic invertebrates | LC50 Crustacean 0,56 mg/l (48 h) [1]<br>EC50 Crustacean 1,07 mg/l (48 h) [2]<br>EC50 Crustacean 0,18 mg/l (48 h) [3]<br><br>[1] Office of Pesticide Programs 2000. Pesticide Ecotoxicity Database (Formerly: Environmental Effects Database (EEDB)). Environmental Fate and Effects Division, U.S.EPA, Washington, D.C<br>[2] Office of Pesticide Programs 2000. Pesticide Ecotoxicity Database (Formerly: Environmental Effects Database (EEDB)). Environmental Fate and Effects Division, U.S.EPA, Washington, D.C<br>[3] Office of Pesticide Programs 2000. Pesticide Ecotoxicity Database (Formerly: Environmental Effects Database (EEDB)). Environmental Fate and Effects Division, U.S.EPA, Washington, D.C |
| | Aquatic plants | EC50 Algae 0,06 mg/l (96 h) [1]<br>EC50 Algae 0,13 mg/l (72 h) [2]<br><br>[1] Office of Pesticide Programs 2000. Pesticide Ecotoxicity Database (Formerly: Environmental EffectsDatabase (EEDB)). Environmental Fate and Effects Division, U.S.EPA, Washington,D.C<br>[2] Office of Pesticide Programs 2000. Pesticide Ecotoxicity Database (Formerly: Environmental Effects Database (EEDB)). Environmental Fate and Effects Division, U.S.EPA, Washington, D.C |

**12.2 Persistence and degradability.**
No information is available regarding the biodegradability of the substances present.
No information is available on the degradability of the substances present.
No information is available about persistence and degradability of the product.

**12.3 Bioaccumulative potential.**
No information is available regarding the bioaccumulation of the substances present.

**12.4 Mobility in soil.**
No information is available about the mobility in soil.
The product must not be allowed to go into sewers or waterways.
Prevent penetration into the ground.

**12.5 Results of PBT and vPvB assessment.**
No information is available about the results of PBT and vPvB assessment of the product.

**12.6 Endocrine disrupting properties.**
This product doesn't contain components with environmental endocrine disrupting properties.

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**12.7 Other adverse effects.**
The product is not affected by the Regulation (EU) 2024/590 of the European Parliament and of the Council of 7 February 2024 on substances that deplete the ozone layer.
No information is available about other adverse effects for the environment.

## SECTION 13: DISPOSAL CONSIDERATIONS.

**13.1 Waste treatment methods.**
Do not dump into sewers or waterways. Waste and empty containers must be handled and eliminated according to current, local/national legislation.
Comply with the provisions of Directive 2008/98/EC on waste management and subsequent amendments.

## SECTION 14: TRANSPORT INFORMATION.

Transportation is not dangerous. In case of road accident causing the product's spillage, proceed in accordance with point 6.

**14.1 UN number or ID number.**
Transportation is not dangerous.

**14.2 UN proper shipping name.**
Description:
ADR/RID: Not classified as hazardous for transport.
IMDG: Not classified as hazardous for transport.
ICAO/IATA: Not classified as hazardous for transport.

**14.3 Transport hazard class(es).**
Transportation is not dangerous.

**14.4 Packing group.**
Transportation is not dangerous.

**14.5 Environmental hazards.**
Transportation is not dangerous.
Transport by ship, FEm – Emergency sheets (F – Fire, S - Spills): Not applicable.

**14.6 Special precautions for user.**
Transportation is not dangerous.

**14.7 Maritime transport in bulk according to IMO instruments.**
Not classified as hazardous for transport.

## SECTION 15: REGULATORY INFORMATION.

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

The product is not affected by Regulation (EU) No 528/2012 concerning the making available on the market and use of biocidal products.

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The product is not affected by the procedure established Regulation (EU) No 649/2012, concerning the export and import of dangerous chemicals.

Restrictions on the manufacturing, placing on the market and use of certain dangerous substances, mixtures and articles:

| **Designation of the substance, of the group of substances or of the mixture** | **Conditions of restriction** |
|---|---|
| 72. The substances listed in column 1 of the Table in Appendix 12 | 1. Shall not be placed on the market after 1 November 2020 in any of the following:<br><br>(a) clothing or related accessories;<br><br>(b) textiles other than clothing which, under normal or reasonably foreseeable conditions of use, come into contact with human skin to an extent similar to clothing;<br><br>(c) footwear;<br><br>if the clothing, related accessory, textile other than clothing or footwear is for use by consumers and the substance is present in a concentration, measured in homogeneous material, equal to or greater than that specified for that substance in Appendix 12.<br><br>2. By way of derogation, in relation to the placing on the market of formaldehyde [CAS No 50-00-0] in jackets, coats or upholstery, the relevant concentration for the purposes of paragraph 1 shall be 300 mg/kg during the period between 1 November 2020 and 1 November 2023. The concentration specified in Appendix 12 shall apply thereafter.<br><br>3. Paragraph 1 shall not apply to:<br><br>(a) clothing, related accessories or footwear, or parts of clothing, related accessories or footwear, made exclusively of natural leather, fur or hide;<br><br>(b) non-textile fasteners and non-textile decorative attachments;<br><br>(c) second-hand clothing, related accessories, textiles other than clothing or footwear<br><br>(d) wall-to-wall carpets and textile floor coverings for indoor use, rugs and runners.<br><br>4. Paragraph 1 shall not apply to clothing, related accessories, textiles other than clothing, or footwear within the scope of Regulation (EU) 2016/425 of the European Parliament and of the Council (*) or Regulation (EU) 2017/745 of the European Parliament and of the Council (**).<br><br>5. Paragraph 1(b) shall not apply to disposable textiles. 'Disposable textiles' means textiles that are designed to be used only once or for a limited time and are not intended for subsequent use for the same or a similar purpose.<br><br>6. Paragraphs 1 and 2 shall apply without prejudice to the application of any stricter restrictions set out in this Annex or in other applicable Union legislation.<br><br>7. The Commission shall review the exemption in paragraph 3(d) and, if appropriate, modify that point accordingly. |

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| | |
|---|---|
| | (*) Regulation (EU) 2016/425 of the European Parliament and of the Council of of 9 March 2016 on personal protective equipment and repealing Council Directive 89/686/EEC (OJ L 81, 31.3.2016, p. 51).<br><br>(**) Regulation (EU) 2017/745 of the European Parliament and of the Council of 5 April 2017 on medical devices, amending Directive 2001/83/EC, Regulation (EC) No 178/2002 and Regulation (EC) No 1223/2009 and repealing Council Directives 90/385/EEC and 93/42/EEC (OJ L 117, 5.5.2017, p. 1) |
| 77. Formaldehyde and formaldehyde-releasing substances | 1. Shall not be placed on the market in articles, after 6 August 2026, if, under the test conditions specified in Appendix 14, the concentration of formaldehyde released from those articles exceeds:<br>(a) 0.062 mg/m³ for furniture and wood-based articles;<br>(b) 0.080 mg/m³ for articles other than furniture and wood-based articles.<br><br>The first subparagraph shall not apply to:<br>(a) articles in which formaldehyde or formaldehyde releasing substances are exclusively naturally present in the materials from which the articles are produced;<br>(b) articles that are exclusively for outdoor use under foreseeable conditions;<br>(c) articles in constructions, that are exclusively used outside the building shell and vapour barrier and that do not emit formaldehyde into indoor air;<br>(d) articles exclusively for industrial or professional use unless formaldehyde released from them leads to exposure of the general public under foreseeable conditions of use;<br>(e) articles for which the restriction laid down in entry 72 applies;<br>(f) articles that are biocidal products within the scope of Regulation (EU) No 528/2012 of the European Parliament and of the Council (*);<br>(g) devices within the scope of Regulation (EU) 2017/745;<br>(h) personal protective equipment within the scope of Regulation (EU) 2016/425;<br>(i) articles intended to come into contact directly or indirectly with food within the scope of Regulation (EC) No 1935/2004;<br>(j) second-hand articles.<br><br>2. Shall not be placed on the market in road vehicles after 6 August 2027 if, under the test conditions specified in Appendix 14, the concentration of formaldehyde in the interior of those vehicles exceeds 0.062 mg/m³.<br><br>The first subparagraph shall not apply to:<br>(a) road vehicles exclusively for industrial or professional use unless the concentration of formaldehyde in the interior of those vehicles leads to exposure of the general public under foreseeable conditions of use;<br>(b) second-hand vehicles. |

**15.2 Chemical safety assessment.**
No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

## SECTION 16: OTHER INFORMATION.

Complete text of the H phrases that appear in section 3:

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| | |
|---|---|
| H301 | Toxic if swallowed. |
| H310 | Fatal 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. |
| H330 | Fatal if inhaled. |
| H400 | Very toxic to aquatic life. |
| H410 | Very toxic to aquatic life with long lasting effects. |

Complete text of the EUH phrases that appear in section 3:

| | |
|---|---|
| EUH071 | Corrosive to the respiratory tract. |

Classification codes:

Acute Tox. 2: Acute toxicity (Dermal), Category 2
Acute Tox. 2: Acute toxicity (Inhalation), Category 2
Acute Tox. 3: Acute toxicity (Oral), Category 3
Aquatic Acute 1: Acute toxicity to the aquatic environment, Category 1
Aquatic Chronic 1: Chronic effect to the aquatic environment, Category 1
Eye Dam. 1: Serious eye damage, Category 1
Skin Corr. 1C: Skin Corrosive, Category 1C
Skin Sens. 1A: Skin sensitiser, Category 1A

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

| | |
|---|---|
| Physical hazards | On basis of test data |
| Health hazards | Calculation method |
| Environmental hazards | Calculation method |

It is recommended that the product only be employed for the purposes advised.

Abbreviations and acronyms used:

| | |
|---|---|
| CEN: | European Committee for Standardization. |
| EC50: | Half maximal effective concentration. |
| PPE: | Personal protection equipment. |
| LC50: | Lethal concentration, 50%. |
| LD50: | Lethal dose, 50%. |

Key literature references and sources for data:
http://eur-lex.europa.eu/homepage.html
http://echa.europa.eu/
Regulation (EU) 2020/878.
Regulation (EC) No 1907/2006.
Regulation (EC) No 1272/2008.

The information given in this Safety Data Sheet has been drafted in accordance with COMMISSION REGULATION (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemical substances and mixtures (REACH).

The information in this Safety Data Sheet on the Preparation is based on current knowledge and on current EC and national laws, as far as the working conditions of the users is beyond our knowledge and control. The product must not be used for purposes other than those that are specified without first having written instructions on how to handle. It is always the responsibility of the user to take the appropriate measures in order to comply with the requirements established by current legislation. The information contained in this Safety Sheet only states a description of the safety requirements for the

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preparation, and it must not be considered as a guarantee of its properties.

*-End of safety data sheet.-*