



The safety data sheet is in accordance with Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH).

Safety Data Sheet

Date of issue: 01.03.2019
Rev. date —
Reg. No. VI-4910-10/20/30-1

1. Identification of the substance/preparation and of the company/undertaking

- 1.1 Product identifier** Protega SuperWool / 4910-00/10/20/30
- 1.2 Relevant identified uses of the substance or mixture and uses advised against**
Chemical/ technical description: Mineral wool
Field of application: Underflow material for fire sealing
- 1.3 Details of the supplier of the safety data sheet**
Company: Protega AB
Address Verkstadsgatan 6B. SE 231 66 Trelleborg. Sweden.
Telefon/Fax +46 410 56780 / +46 410 56789
Digital www.protega.se / info@protega.se
- 1.4 Emergency telephone number** + 46 410 567 80, other time: Local emergency number.

2. Hazards identification

- 2.1 Classification of the substance or mixture**
 The preparation is not classified as a health or environmental hazard according to CLP-Regulation (EC) No 1272/2008.
- 2.2 Label Elements**
 The product is labeled according to CLP-Regulation (EC) No 1272/2008.
- 2.3 Other hazards**
 The product has no hazardous qualities but can cause occasional itching caused by the mechanical effect generated by the fibres in contact with skin.

3. Composition/ chemical classification

3.2 Compounds

| Ingredients: | CAS-nr | Index-nr | Amount % | Classification |
|--------------|------------|--------------|----------|----------------|
| Mineral wool | 43083-99-7 | 650-016-00-2 | 100 | - |

Reg.nummer: 01-2119457644-32-00 Typical composition in percent by weight of the mineral wool is as follows: SiO₂: 50-82% alkaline earth oxide (CaO, MgO)> 18-43%, aluminum, titanium and zinko niumoxid (less than 6 wt%) and traces of oxides.

4. First-aid measures

4.1 Description of first aid measures

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| <i>Eye contact:</i> | After eye contact, avoid rubbing. Particles penetrating the eyes are treated like other foreign bodies, do not rub, rinse thoroughly with water and consult a doctor if necessary. Eye bath should be available. |
| <i>Skin contact:</i> | If skin irritation occurs avoid rubbing or bran. Rinse under cold running water prior to washing with mild soap and water. |
| <i>Ingestion:</i> | If accidentally swallowed obtain immediate medical attention. Keep at rest. Do not induce vomiting. |

4.2 Most important symptoms and effects, both acute and delayed

Frequent or repeated contact may decrease the skin, resulting in non-allergic contact dermatitis. Eye contact may cause irritation

4.3 Indication of any immediate medical attention and special treatment needed

Other information: Treat symptomatically

5. Fire-fight measures

| | |
|---|---|
| 5.1 Extinguishing media | The product is water based and is not combustible. |
| 5.2 Special hazards arising from the substance or mixture | Not available |
| 5.3 Advice for fire fighters | Use firefighting tools useful for surrounding materials |

6. Accidental release measures

6.1 Personal protections, protective equipment and emergency procedures

Avoid contact with skin and eyes. Wash clean with water. If the spill is causing high dust levels, wear respiratory protection recommended in section 8.

6.2 Environmental precautions

Do not wash spills down the drain and prevent it from entering the natural waterways. Do not let the dust spread by the wind.

6.3 Methods and material for containment and cleaning up

Take up mechanically and send for recycling of paint waste, see section 13. Pick up large pieces and use the vacuum cleaner with high efficiency filter for smaller pieces and dust. Wet the surface before sweeping. Do not use compressed air, because it spreads the mineral wool unnecessarily.

6.4 Reference to other sections

See Section 8 regard personal protective equipment. See section 13 regard waste management.

7. Handling and storage

7.1 Precautions for safe handling

Restrict dust concentration to a minimum. Take normal caution to avoid skin and eye contact. Observe standard industrial hygiene practices for the handling of chemical substances. Any waste is collected and returned to the recycling of waste paint

7.2 Conditions for safe storage, including any incompatibilities

Store at a temperature of + 5 ° C. Store in a dry place in tightly closed original container.

7.3 Specific end uses

Not available

8. Exposure control/ personal protection

8.1 Control parameters

Substances with an exposure limit: Respirable fibres In Sweden occupational exposure limits for respirable fibres in air-borne dust from mineral wool is 1 fibre /ml. European limit is missing.

8.2 Exposure controls

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. Wash and nourish the skin after work.

Respiratory system: For dust concentrations below the limit (1 fiber / ml) is not necessary respiratory equipment. A standard respirators with class FFP2 is usually enough where higher concentrations occur or where the concentrations are not known.

Hand, skin protection: At very dustable work suitable protective clothing, closing tightly around sensitive skin areas such as neck and forearms, should be used. Wear dust repelling protective gloves and clothing, without pockets or lapels. Wash off dust after terminating work and change clothes. Work clothes should be stored and washed separately from other clothes.

Eye protection: Wear eye protectors when working above eye level. Lens carriers should always wear eye protectors

Thermal hazard: Non-flammable product.

Environmental exposure controls: Avoid releases to water and drain.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance: Fibre with no odour.

Colour: White

Odour: Product is odourless

Odour threshold: Not available

pH: Not available

Melting/boiling range: Melting point: > 1200 °C

Flash point: Not available

Evaporation rate: Not available

Flammability: Non-combustible materials

Continued on next page

9. Physical and chemical properties

9.1 continued from next page

| | |
|------------------------------------|----------------------|
| <i>Flammability limits in air:</i> | Not available |
| <i>Vapour pressure:</i> | Not available |
| <i>Vapour density:</i> | Not available |
| <i>Density:</i> | 96 kg/m ³ |
| <i>Solubility:</i> | < 1mg/l |
| <i>Partition coefficient:</i> | Not available |
| <i>Auto-ignition temperature:</i> | Not available |
| <i>Decomposition temperature:</i> | Not available |
| <i>Viscosity:</i> | Not available |
| <i>Explosive properties:</i> | Not available |
| <i>Oxidising properties:</i> | Not available |
| <i>Volatile % (w/w):</i> | Not available |

9.2 Other information

| | |
|---|---------------|
| <i>Physical and chemical properties</i> | Not available |
| <i>Length weighted geometric diameter</i> | 1,4-3 µm |

10. Stability and reactivity

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|--|---|
| 10.1 Reactivity | There is no test data for the reactivity of this product. |
| 10.2 Chemical stability | The product is stable at recommended storing and handling conditions. |
| 10.3 Possibility of hazardous reactions | None under normal processing |
| 10.4 Conditions to avoid | Not available |
| 10.5 Incompatible materials | No special restrictions |
| 10.6 Hazardous decomposition products | No information available |

11. Toxicological information

11.1 Information on toxicological effects

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|------------------------------------|---|
| <i>Basic toxicological effects</i> | The exposure mainly occurs through inhalation or ingestion. Other mineral fibers of a similar size as Superwool are not migrated from the lung and / or intestine and ended up in other organs in the body. Fibers in the products listed on the first page has been created to be removed from the body and lung tissues. The short biodegradation times have been confirmed in many studies of this type of fiber according to EU protocol ECB / TM / 27 (rev7). When inhaled, even at very high doses, does not accumulate fibers to a level so that they are capable to cause any serious adverse biological effects. |
|------------------------------------|---|

11. Toxicological information, *continued from the next page*

Human toxicological data

During the lifetime chronic studies there was no exposure effects besides those who would show up with any "inert" dust anywhere. Subchronic studies at the highest dose resulted in their worst an occasional mild inflammation. The fiber with the ability to remain in the tissue does not produce tumors when injected into the peritoneal cavity of rats. Superwool HT fibers are negative when tested using approved methods (Directive 67/548 / EEC, Annex 5, Method B4). Like all mineral fibers and some natural fibers, fibers may be included in the product provide a mild mechanical irritation that can result in temporary itching or, in some sensitive individuals, in a slight temporary reddening. Unlike other irritant reactions, this is not a result of chemical sensitization or without skin damage caused by mechanical effects.

Acute toxicity:

The product is not expected to cause any health hazard

Irritation:

Long term exposure may cause skin irritation. Particles from the product may cause mechanical damage and cause eye irritation.

Corrosive effect:

Preparation is not corrosive.

Sensitisation:

Not known

Repeated dose toxicity:

Not known

Carcinogenicity:

Stone wool fibers meet the requirements of Note Q according to the European classification Regulation No 1272/2008 about Classification, Labelling and Packaging (CLP) and are therefore not classified as a carcinogen.

Mutagenic effects:

Not known

Reproductive toxicity:

Not known

Fetal damage:

Not known

Other information:

Not known

12. Ecological information

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|---|---|
| 12.1 Toxicity | Ecotoxicological data are not available for the product itself. Do not allow the preparation to enter drains and watercourses. |
| 12.2 Persistence and degradability | Not available |
| 12.3 Bioaccumulative potential | Not available |
| 12.4 Mobility in soil | Not available |
| 12.5 Results of PBT and VPVB assesment | Not available |
| 12.6 Other adverse effects | No known significant effects or critical hazards |

13. Disposal considerations

13.1 Waste treatment methods

Do not allow entering drains and watercourses. Waste should be disposed of according to local regulation. The waste is usually dusty and should be packed before it is discarded. The product is not classified as hazardous waste. EWC-codes (European Waste Catalogue): 170604

14. Transport information

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|--|--|
| 14.1 UN-number | Not dangerous goods |
| 14.2 Proper shipping name | Not applicable |
| 14.3 Transport hazard class(es) | Product is not classified as dangerous goods. |
| 14.4 Packing group | Not applicable |
| 14.5 Environmental hazards | Product is not classified dangerous for the environment. |
| 14.6 Special precautions for user | Make sure that the product can not emit dust during transport. |
| 14.7 Transport in bulk according to Annex I of MARPOL73/78 and the IBC-kod | Not applicable |

15. Regulatory information

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

The safety data sheet is prepared in according to Annex II of the REACH Regulation (EC) No. 1907/2006. Classification according to CLP-Regulation (EC) No 1272/2008.

Other notes:

The fibers meet the requirements of EC Regulation No 1272/2008 on classification, labeling and packaging (CLP) Note Q and is therefore not regulated as a carcinogen. WKG 1

15.2 Chemical safety assessment:

No information available..

16. Other information

The information in this data sheet corresponds to our present knowledge of the characteristics seen from the current regulations. The demand laid down in the local control option

