

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

- **Product name** : EDGESEAL™  
- **Supplier** : METABIOMED CO., LTD.  
Head Office & Osong Factory) 270, Osongsaengmyeong1-ro, Osong-eup,  
Heungdeok-gu, Cheongju-si, Chungcheongbuk-do, Korea  
Cheongju Factory) 136, Mochung-ro, Seowon-gu, Cheongju-si, Chungcheongbuk-do,  
Korea  
Tel : (82-43) 216-0433, 0434  
Fax : (82-43) 216-0438

**2. Hazards identification**

- **Physical/chemical hazards** : None  
- **Human health hazards** : Not known to cause significant health problems. Considered a nuisance dust. Avoid inhalation and keep dust out of the eyes.  
- **Environmental hazards** : None

**3. Composition/information on ingredients****Information on hazardous ingredients**

<b>Chemical name</b>	<b>CAS No.</b>	<b>w/w %</b>	<b>EC Number</b>	<b>Symbol</b>	<b>R-Phrases</b>
Epoxy resin	25036-25-3	<20		Xi	R36/37/38

**4. First aids measures**

- **Inhalation** : If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen.  
- **Ingestion** : Do not induce vomiting. Material is chemically inert.  
- **Skin contact** : In case of contact. Immediately wash skin with water and soap.  
- **Eye contact** : If scratches or punctures occur, seek medical attention immediately.

**5. Fire fighting measures****Extinguishing media**

- **Suitable** : Water, Foam, Carbon Dioxide, Dry Chemical  
- **Not suitable** : N/A  
- **Special fire fighting procedures** : Self contained breathing apparatus to prevent smoke inhalation.  
- **Unusable fire/explosion** : None

**hazards**

- **Hazardous thermal** : Burning may produce :Carbon Monoxide, Carbon Dioxide
- **(de)composition products**
- **Protection of fire fighters** : Use breathing apparatus(self-contained breathing apparatus with full face shield). Wear suitable protective clothing

**6. Accidental release measures**

- **Personal precautions** : Material is paste and if you mixed base and catalyst the hardened.
- **Environmental precautions** : None
- **Methods for cleaning up** : Wear protective clothing and scoop up bulk material and place in a labeled plastic or metal container. Avoid gross skin contact to minimize the possibility of contact dermatitis to susceptible persons.

**7. Precautions for safe handling**

- **Handling** : Always wear gloves and eye protection. Keep container closed when not in use.
- **Storage** : Keep out of reach of children. Protect from exposure to direct sun light. Keep container closed. Store in cool place.

**8. Exposure controls/personal protection**

- **Precautions for use** : Wash hands before breaks and after work.
- **Respiratory protection** : None required during normal intended use of this product
- **Skin and body** : Wear suitable protective clothing.
- **Hands** : Wear suitable gloves.
- **Eyes** : With sufficient extraction or closed system; safety goggles.

**9. Physical and chemical properties**

- <b>Physical state</b> : Paste	- <b>Solubility in water</b> : Insoluble
- <b>Color</b> : Slightly yellowish	- <b>pH</b> : N/A
- <b>Odor</b> : Odorless	- <b>Flash point</b> : Not-regulated
- <b>Boiling point</b> : Decomposes	- <b>Autoignition temperature</b> : N/A
- <b>Melting point</b> : N/A	- <b>Lower explosion limit</b> : N/A
- <b>Vapor pressure</b> : N/A	- <b>Upper explosion limit</b> : N/A
- <b>Specific gravity(H<sub>2</sub>O=1)</b> : 1.6	- <b>Viscosity</b> : N/A

**10. Stability and reactivity**

- **Stability** : Stable
- **Condition to avoid** : Do not heat
- **Materials to avoid** : Not known
- **Hazardous reactions** : May not occur
- **Hazardous decomposition products** : CO

**11. Toxicological information**

- **Acute toxicity** : N/A
- **Primary effects to skin** : May mildly irritate skin
- **Primary effects to eyes** : May mildly irritate the eye
- **Primary effects to respiratory system** : Not an acute inhalation hazard
- **Sensitization** : N/A
- **Additional toxicological info** : N/A

**12. Ecological information**

- **General information** : N/A
- **Classification of water endangerment** : N/A

**13. Disposal considerations**

- **Product** : Not considered a RCRA hazardous waste as identified in Fed. Reg. 40CFR261. If this product cannot be used as directed by the label, contact the local Environmental Control Agency or Agent.

**14. Transport information**

- |  |   |
|--|---|
| <ul style="list-style-type: none"> <li>- <b>DOT shipping name</b> : Same as product name</li> <li>- <b>DOT hazard class</b> : Not-regulated</li> <li>- <b>UN number</b> : N/A</li> <li>- <b>Sea transport IMDG/GGV sea class</b> : N/A</li> <li>- <b>UN number</b> : N/A</li> <li>- <b>EmS number</b> : N/A</li> <li>- <b>MFGA number</b> : N/A</li> </ul> | <ul style="list-style-type: none"> <li>- <b>Air transport ICAO-Ti and IATA-DGR class</b> : N/A</li> <li>- <b>UN number</b> : Not-regulated</li> <li>- <b>UN number</b> : N/A</li> </ul> |
|--|---|

**15. Regulatory information**

- Hazard designation	: Irritant		
- Hazard symbols	: Xi		
- R-phrases	: R36/37/38 : Irritating to eyes, respiratory system and skin.		
- S-phrases	: S26-36 : incase of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing		
- Other labeling	: Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 . Do not pierce or burn, even after use. Keep out of the reach of children.		
- SARA 313 toxic chemicals	<u>Chemical name</u>	<u>CAS-No.</u>	<u>Weight %</u>
	None		
- Canadian regulations require the inclusion of the following statements under "Regulatory Information"; "This product has been classified in accordance with the hazard criteria of the controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations."			

**16. Other information**

The information contained in the Safety data sheet is correct to the best of our knowledge at the date of issue. It is intended as a guide for the safe use, handling, disposal, storage and transportation and is not intended as warranty or as a specification. The information relates only to the product specified and may not be suitable for combinations with other materials or in processes other than those specifically described herein.

**Full text of the R-phrases in section 2**

R36/37/38 : Irritating to eyes, respiratory system and skin.

**HISTORY**

- Date of printing : 3-8-2015
- Date previous issue : 3-8-2015
- Date of issue : 3-8-2015
- Prepared by : METABIOMED CO., LTD.