

# MATERIAL SAFETY DATA SHEET

Page 1 of 3

Product Name: **Seal Stic™ SS102 STEEL EPOXY STICK**  
MSDS no: 135 Revision no: 5

Issued by: Sam  
Issue Date: 8 May 2013

## Section 1 – Company Details

**Company Name:** SealXpert™ Products  
**Address:** 60 Kaki Bukit Place #09-11 Eunos Techpark  
Singapore 415979  
**Tel:** +65 6742 4992/6742 4998  
**Fax:** +65 6749 6916  
**Email:** mailbox@sealxpert.com

## Section 2 – Composition

INGREDIENTS	CAS N°	%	EXPOSURE LIMITS
Glycidyl ethers of bisphenol A resins	25068-38-6	10 - 40	N/A
Crystalline silica	14808-60-7	0 - 10	N/A
Zinc sulphide	1314-98-3	0 - 10	N/A
Tri, (Dimethylaminomethyl),Phenol	90-72-2	0 - 2	N/A

Abbreviations : N/A – Not Applicable

## Section 3 – Hazardous Identification

ROUTE OF ENTRY	DESCRIPTION	MINIMUM CONCENTRATION FOR EFFECT
Inhalation:	May cause irritation to the mucous membrane and upper airways, especially when the material is heated or mists are generated. Symptoms may include coughing, wheezing and shortness of breath. Inhalation of high concentration may lead to headache, dizziness, nausea and vomiting.	N/A
Skin:	Will cause irritation resulting from contact with skin, which results in redness, itchiness and possible dermatitis. May cause sensitization by skin contact.	N/A
Eyes:	Will cause eye irritation resulting in redness, swelling, stinging, lacrimation, blurred vision and possibly permanent damage to eyes.	N/A
Ingestion:	May cause irritation of the gastrointestinal system. Symptoms may include pain, nausea, vomiting and diarrhea.	N/A

**Health Hazards (Acute and Chronic) :** Prolonged or repeated contact with this material may result in enhancement of pre-existing adverse skin/ respiratory conditions and/ or allergic reactions by sensitization.

**Carcinogenicity:** The International Agency for Research on Cancer (IARC) rates Silica [CAS No 14808-60-7], crystalline (inhaled in the form of quartz or cristobalite from occupational sources) as Group 1 – Carcinogenic to humans. The crystalline silica present in this product is encapsulated in the epoxy resin. Respirable crystalline silica (quartz) dust will be liberated by sanding or abrading the cured product.

## Section 4 – Emergency and First Aid Response

**Inhalation:** Provide fresh air. If breathing becomes difficult, call physician.  
**Skin:** Wash thoroughly with non-abrasive soap and water. Contaminated clothing should be removed and thoroughly washed before reuse. If irritation persists or develops, seek medical attention.  
**Eye:** Wash immediately with plenty of water for 15 minutes and consult a physician.  
**Ingestion:** Unlikely route of entry. Drink plenty of water and consult a physician. Do not induce vomiting. Keep out of reach of children.

## Section 5 – Fire and Explosion Hazard Data

**Flash Point :** Not available  
**Flammable Limits :** Not available  
**LEL :** Not available  
**UEL :** Not available  
**Extinguishing Media :** Water spray, foam, carbon dioxide or dry chemicals  
**Fire Fighting Procedures :** Wear self-contained breathing apparatus and full protective clothing to minimize

## Section 6 – Accidental Release Measures

# MATERIAL SAFETY DATA SHEET

Page 2 of 3

Product Name: **Seal Stic™ SS102 STEEL EPOXY STICK**  
MSDS no: 135                      Revision no: 5

Issued by: Sam  
Issue Date: 8 May 2013

N/A

## Section 7 – Handling and Storage

- Handling :**                      Wear protective glove and safety glasses while handling uncured product. Maintain high standards of personal hygiene, washing hands after coming in contact with product. Avoid eye and skin contact. Keep containers closed when not in use.
- Storage :**                      Store in cool, dry and well-ventilated area out of direct sunlight. Keep containers closed when not in use. Store away from all heat sources and incompatible materials such as strong oxidizers. Avoid sparks, flames and other ignition sources. For best results, rotate stock.
- Transportation :**              Not classified as Dangerous Goods according to Singapore Code for Transport of Dangerous Goods by Road and Rail

## Section 8 – Exposure Controls / Personal Protection

- Respiratory Type :**              Avoid breathing of dust, vapours, mists or spray. Where ventilation is inadequate and dusts, vapours or mists are generated the use of a respirator with filter is recommended. Filter capacity and respirator type depends on exposure levels.
- Eye Protection:**              Suitable chemical safety goggles.
- Glove Type :**                      Suitable impervious protective gloves.
- Clothing :**                         Suitable impervious protective clothing.

## Section 9 – Physical and Chemical Characteristics

### APPEARANCE

- Physical :**                              Soft moldable putty
- Colour :**                                Grey
- Odour :**                                 Slight sulphur/ amine odour
- Boiling Point :**                        N/A
- Vapour Pressure :**                    N/A
- Vapour Density (AIR = 1) :**        N/A
- Solubility in Water :**                Nil
- Specific Gravity :**                    2.0
- Melting Point :**                      N/A
- Evaporation Rate :**                   N/A

## Section 10 – Stability and Reactivity

- Stability :**                              Stable under normal conditions of storage and handling
- Products to Avoid :**                 Strong oxidizers, sulphuric acid, peroxide, caustics & halogens
- Hazardous Reactions :**              None
- Hazardous Decomposition :**        None

## Section 11 – Toxicological Information

N/A

## Section 12 – Ecological Information

N/A

## Section 13 – Disposal Considerations

- Spills & Leaks :**                      Ensure ventilation is adequate to prevent buildup of potentially harmful vapours. Wear protective clothing and equipment to minimize exposure. Scrape up material and place into

# MATERIAL SAFETY DATA SHEET

Page 3 of 3

Product Name: **Seal Stic<sup>TM</sup> SS102 STEEL EPOXY STICK**  
MSDS no: 135                      Revision no: 5

Issued by: Sam  
Issue Date: 8 May 2013

container for disposal. Decontaminate area and equipment with dilute ammonia and detergent. Mix additional adsorbent into spill and dispose.

**Waste Disposal :** Solid waste landfill or authorized incineration

## Section 14 – Transportation Information

N/A

## Section 15 – Regulatory Information

N/A

## Section 16 – Other Information

**Other Precautions:** Removal of cured product with oscillating saws without adequate ventilation will potentially cause irritant dusts to be generated into atmosphere. The use of shears is recommended to remove old product from pipes so as to minimize dust formation.

This data sheet completes the technical notices but does not supersede them. The information contained in it is grounded to the statement of our knowledge of the product concerned at the publishing date.

Moreover, user's attention should be drawn on the possible risks incurred when a product is used for other purposes than those for which it has been designed. It does not stop in any case the user knowing and following the whole regulatory texts related to his activity. He will be the sole responsible of the precautions related to the use of the products he knows.

The aim of the whole regulatory prescriptions mentioned is to help the receiver to fulfill his duties when using the product. This list must not be considered as exhaustive. It does not stop the user from making sure that he complies with the written obligations other than those previously cited and which rule the fact of keeping and using the product for which he is the sole responsible person.