

SAFETY DATA SHEET



CORSMART® STANDARD RESIN

Date of Issue: 29-08-2019 Revision: 2

Section 1 – Information of the substance/compound and the supplier

Product Name: CorSmart® Standard Resin

Details of the supplier:

Alchem Manufacturing Pte Ltd
Blk 3029A, #01-96, Ubi Road 3, Singapore 408661
Tel: +65 6747 8643
Fax: +65 6747 6547

Section 2 – Composition

INGREDIENTS	CAS NO	%	EXPOSURE LIMITS
Allyl Glycidyl Ether (AGE)	106-92-3	5	0.05 mg/m3
Epichlorohydrin / Bisphenol A Mixture	80-05-7	95	N/A

Source of exposure limit data – ACGIH Treshold Limit Values

Abbreviations: N/A – Not Applicable

Section 3 – Hazards Identification

The product is not hazardous according to European directive 67/548/EEC and 99/45/EC and their latest amendments.

Safety Phrases:

- S1/2: Keep locked up and out of the reach of children.
- S24/25: Avoid contact with skin and eyes.
- S36/37/39: Wear suitable protective clothing, gloves and eye/ face protection.
- S26: In case of eye contact, rinse immediately with plenty of water and seek medical advice.
- S28: After contact with skin, wash immediately with plenty of water.
- S45: In case of accident or if you feel unwell seek medical advice immediately

Section 4 – First Aid Measures

Inhalation: Remove from exposure, provide fresh air. If breathing becomes difficult, call physician.

Skin: Wash thoroughly with soap and water.

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 Fighting Measures

Flash Point: 120°C/ 295°C

Flammable Limits: Not available

LEL: Not available

UEL: Not available

Extinguishing Media: CO2, dry chemicals or foam

Fire Fighting Procedures: Wear self-contained breathing apparatus and full protective clothing.

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Section 6 – Accidental Release Measures

- Personal Precautions:** Remove all possible sources of ignition in the surrounding area.
- Environmental Precautions:** Do not discharge into drains or river. Contain the spillage using dry sand or earth.
- Clean-up Methods:** To minimize soil and groundwater contamination, absorb liquid with sand earth or other recommended absorbent material. Wash the spillage with large amount of water.
- Other Information:** Observe all relevant local regulations.

Section 7 – Handling and Storage

- Handling:** Wear protective glove and safety glasses while handling uncured product. Uncured product will adhere to clothing. Maintain high standards of personal hygiene, washing hands after coming in contact with product. Avoid eye and skin contact.
- Storage:** Store in cool, dry and well-ventilated area out of direct sunlight. Store away from all heat sources. Do not store at temperature greater than 51°C/125°F; optimum storage conditions 4°C to 30°C. For best results, rotate stock.

Section 8 – Exposure Controls / Personal Protection

INGREDIENTS	CAS NO	%	EXPOSURE LIMITS
Allyl Glycidyl Ether (AGE)	106-92-3	5	0.05 mg/m ³
Epichlorohydrin / Bisphenol A Mixture	80-05-7	95	N/A

- 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:** S39: eye/ face protection. Non-fogging chemical safety goggles or safety glasses with side shields.
- Glove Type:** S37: Wear suitable impervious protective gloves such as PVC or Nitrile gloves
- Clothing:** S36: Wear suitable impervious protective clothing.

Section 9 – Physical and Chemical Characteristics

- Physical Appearance:** Viscous liquid
- Colour:** Transparent
- Odour:** Very slight
- Water Solubility:** Slight
- Specific Gravity:** 1.23 at 43°C
- Melting Point:** Not applicable
- Boiling Point:** 153°C/ 309°F

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Evaporation Rate:	Not applicable
Vapour Pressure:	1.7
Vapour Density (AIR=1):	3.4
Percent Volatile:	< 5% (by vol)

Section 10 – Stability and Reactivity

Stability:	Stable
Stability conditions to avoid:	Premature addition of amines or heating to decomposition.
Materials to avoid:	Ammonia or amines & strong oxidizing agents
Hazardous Reactions:	None.
Hazardous Decomposition:	CO, CO ₂
Conditions to avoid polymerization:	Premature addition of amine hardener with ammonia or amines.

Section 11 – Toxicological Information

Inhalation:	Mild irritant to respiratory tract with prolonged exposure.
Skin:	There may be slight irritation when contacted with the product.
Eyes:	There may be severe irritation in the eyes when splashed.

Section 12 – Ecological Information

Ecotoxicity:	Not available.
Mobility:	Not determined
Persistence/ Degradability:	Not determined.
Bioaccumulation:	Not determined.

Section 13 – Disposal Considerations

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

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Section 14 – Transport Information

Transportation: Not classified as Dangerous Goods and can be transported by Road, Rail and Air.
The item is not restricted or not regulated as per IATA

Section 15 – Regulatory Information

Not hazardous. Observe the governmental or local regulations to use the product safely.

Section 16 – Other Information

Other Precautions: Discard contaminated clothing immediately. Maintain clean equipment and work areas. When adding Hardener to Resin, exothermic reaction occurs within 15 – 20 minutes, reaching temperature of 120 °C (248 °F). Avoid inhalation of fumes. Wipe up spills immediately.

Warning to users:

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.