



Globally Proven
 Construction Solutions

Safety Data Sheet

1. PRODUCT IDENTIFICATION

TRADE NAME (as labeled): Guard EP WB Part B

CHEMICAL FAMILY: Epoxy Hardener

MANUFACTURER'S/ DISTRIBUTOR'S NAME: LATICRETE South East Asia Pte Ltd
 38 Sungei Kadut,
 Street 2 (Level2 A3),
 Singapore 729245.

Phone number for additional information: (65) 6515 3028

Date prepared or revised: 09/12/2016

2. COMPOSITION INGREDIENTS

Chemical Names	CAS NUMBERS	Percent
Decanedioic acid, compds. w/ 1,3-benzenedimethanamine-bis a-deta glyc ph et rx prod-epic- form-propylene-oxide-teta pol	260549-92-6	30-50
Silicic Oxide	14808-60-7	10-15

3. HEALTH HAZARD INFORMATION

SYMPTOMS OF OVEREXPOSURE for each potential route of exposure. (Possible Longer Term Effects) : N/A

SIGNS AND SYMPTOMS OF EXPOSURE (Acute effects)

Inhaled : Vapors may cause headache, fatigue, dizziness and nausea.

Contact with skin or eyes : Causes skin and eye burns. May cause an allergic skin reaction.

Absorbed through skin : N/A



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Swallowed : May cause burns of the gastrointestinal tract if swallowed. May cause nausea, headache, dizziness and intoxication.

SUSPECTED CANCER AGENT?

NO: This product's ingredients are not found in the lists.

4. FIRST AID: EMERGENCY PROCEDURES

Eye Contact : Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.

Skin Contact : Take off immediately all contaminated clothing. Chemical burns must be treated by a physician. Rinse skin with water/shower. Call a physician or poison control center immediately. Wash contaminated clothing before reuse.

Inhaled : Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a physician if symptoms develop or persist.

Swallowed : Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Call a physician or poison control center immediately.

Most important symptoms/effects, acute and delayed: Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Call a physician or poison control center immediately.

Indication of immediate medical attention and special treatment needed: Provide general supportive measures and treat symptomatically. Symptoms may be delayed. Chemical burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital.

General information: Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. IF exposed or concerned: Get medical advice/attention.



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5. FIRE FIGHTING MEASURES

Flash Point method : N/A

Auto ignition temperature (°C) : N/A

Flammable limits in air, volume % : N/A

Fire extinguishing materials : Alcohol resistant foam. Water fog. Dry chemical powder. Carbon dioxide (CO₂).

Special firefighting procedures : Do not use water jet as an extinguisher, as this will spread the fire. In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk. Use water spray to cool unopened containers. Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Unusual fire and explosion hazards : Heating may cause the release of ammonia vapors.

6. ACCIDENTAL RELEASE MEASURES

Spill response procedures (include employee protection measures) :

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained.

Large Spills: Stop the flow of material, if this is without risk. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills in original containers for re-use.

NOTE: Dispose of all wastes in accordance with federal, state and local regulations.



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Environmental precautions: Avoid release to the environment. Do not discharge into drains, water courses or onto the ground. Environmental manager must be informed of all major releases.

7. HANDLING AND STORAGE

Precautions for safe handling: Do not handle until all safety precautions have been read and understood. Do not breathe mist or vapor. Do not get in eyes, on skin, on clothing. Do not taste or swallow. Avoid contact during pregnancy/while nursing. Use with adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

Conditions for safe storage: Keep container tightly closed. Store in a well-ventilated place. Store away from incompatible materials.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Engineering measures

Provide readily accessible eye wash stations and safety showers.

Provide natural or explosion-proof ventilation adequate to ensure concentrations are kept below exposure limits.

Personal protective equipment

Ventilation and engineering controls : Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Provide eyewash station.

Respiratory protection (type) : In case of insufficient ventilation, wear suitable respiratory equipment.



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Eye protection (type)	: Wear safety glasses with side shields (or goggles). Face-shield. Wear a full-face respirator, if needed.
Gloves (specify material)	: Use impervious gloves, vinyl or rubber.
Other clothing and equipment	: Wear clean, long-sleeved, body-covering clothing.
Work practices, hygienic practices	: When using, do not eat, drink or smoke. Do not get this material on clothing. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should not be allowed out of the workplace.
Other handling and storage requirements	: N/A
Protective measures during maintenance of contaminated equipment:	See above.

9. PHYSICAL AND CHEMICAL PROPERTIES

Relative density	: 1.4
Melting point or range, °C	: < 32 °F (< 0 °C)
Boiling point or range, °C	: > 212 °F (> 100 °C)
PH	: 9.2
Viscosity	: 1000 cP (21 °C)
Flash point	: > 212 °F (> 100 °C)
Solubility in water	: combination with water
Bulk density	: 1.3
Vapor pressure, mmHg at 20°C	: < 10.34 mm Hg (21 °C)
Appearance and odor	: white, Grey liquid, ammoniacal odor.



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HOW TO DETECT THIS SUBSTANCE (warning properties of substance as a gas, vapor, dust, or mist)

10. STABILITY AND REACTIVITY

- Stability : The product is stable and non-reactive under normal conditions of use, storage and transport.
- Conditions to avoid : Avoid temperatures exceeding the flash point. Contact with incompatible materials.
- Incompatibility (materials to avoid) : Alkaline metals. Oxidizing agents. Strong acids. A reaction accompanied by large heat release occurs when the product is mixed with acids. Heat generated may be sufficient to cause vigorous boiling creating splash hazard.
- Hazardous decomposition products : Carbon dioxide (CO₂). Carbon monoxide. Ammonia. By heating and fire, irritating vapors/gases may be formed.
- Hazardous polymerization : No dangerous reaction known under conditions of normal use.

11. TOXICOLOGY INFORMATION

Acute Health Hazard

- Ingestion : LD50 : >2,000mg/kg
Species : Rat
- Inhalation : Inhalation of aerosols of a chemically similar material resulted in the deaths of rats during administration and in transient central nervous system symptoms including lethargy, ataxia, tremors and convulsions.
- Skin : LD50 : >2,000mg/kg
Species : Rabbit
- Eye irritation/corrosion : Severe eye irritation. Corrosive to eyes
- Acute dermal irritation/corrosion : Mild skin irritation. Irritation data from similar products.

Chronic Health Hazard

Ocular irritation tests with rabbits did not result in any animal deaths



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12. ECOLOGICAL INFORMATION

Ecotoxicity effects

Aquatic toxicity : No data is available on the product itself.

Toxicity to other organisms : No data available.

Persistence and degradability

Mobility : No data available.

Bioaccumulation : No data available on the product itself.

Further information

Information given is based on data obtained from similar substances. Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

13. DISPOSAL CONSIDERATIONS

Waste from residues/unused products: : Contact supplier if guidance is required.

Contaminated packaging : Dispose of container and unused contents in accordance with federal, state, and local requirement.

14. TRANSPORT INFORMATION

This Material is not restricted as per IATA.

15. REGULATORY INFORMATION

OSHA Hazard communication Standard (29 CFR 1910.1 200) Hazard Class(es) Irritant

Country	Regulatory List	Notification
USA	TSCA	Included on inventory.



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EU	EINECS	Included on EINECS inventory or polymer substance, monomers included on EINECS inventory or no longer polymer.
Canada	DSL	Not on inventory. Notification have been submitted to Environment Canada.
Australia	AICS	Included on inventory.
Japan	ENCS	Included on inventory.
South Korea	ECL	Not on inventory.
China	SEPA	Included on inventory.
Philippines	PICCS	Not on inventory.

EPA SARA Tittle III Section 312 (40 CFR 370) Hazard Classification
Acute health Hazard.

EPA SARA Tittle III Section 313 (40 CFR 372) Component(s) above 'de minimus' level
None.

US. California Safe Drinking Water & Toxic Enforcement Act (proposition 65)

This product does not contain any chemicals known to State California to cause cancer, birth defects or any other harm.

WHMIS Hazard Classification

Toxic Material Causing Other Toxic Effects

16. OTHER INFORMATION

This information is furnished without warranty, representation, inducement or license of any kind; except that it is accurate to the best of our knowledge, or obtained from sources believed by us to be accurate.