



For the Builders
of a Better World™

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Safety Data Sheet

1. PRODUCT IDENTIFICATION

TRADE NAME (as labeled): Primer EP Part A

CHEMICAL FAMILY: Epoxy Resin

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

Phone number for additional information: (65) 6515 3028

Date prepared or revised: 27/12/2024

2. COMPOSITION INGREDIENTS

Chemical Names	CAS NUMBERS	Percent
Bis(4'-glycidyoxyphenyl)propane	1675-54-3	< 40%
Benzyl alcohol	100-51-6	< 6%
Solvent naphtha (petroleum)	64742-95-6	< 1%
Dimethylheptan-4-one	108-83-8	< 10%
N-methyl-2-pyrrolidone	872-50-4	< 1%
Lithium chloride	7447-41-8	< 1%
Pyrrolidinone	60544-40-3	< 1%
Quartz	14808-60-7	< 40%

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 : No adverse effects due to inhalation are expected.

Contact with skin or eyes : Irritating to skin and eye. May cause an allergic skin reaction.



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Absorbed through skin : N/A

Swallowed : May cause discomfort if swallowed.

SUSPECTED CANCER AGENT?

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

4. FIRST AID: EMERGENCY PROCEDURES

Eye Contact : Do not rub your eyes. Immediately flush eyes with plenty of water at least 15 minutes and call a doctor/physician. Go to the hospital immediately if symptoms (flare, irritate) occur. Remove contact lenses if worn.

Skin Contact : Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash contaminated clothing thoroughly before re-using. Go to the hospital immediately if symptoms (flare; irritate) occur. Wash thoroughly after handling.

Inhaled : Take specific treatment if needed. When exposed to large amounts of steam and mist, move to fresh air.

Ingestion : Please be advised by doctor whether induction of vomit is demanded or not. Rinse your mouth with water immediately.

Delayed and immediate effects and also chronic effects from short and long term exposure:
Not available

Notes to physician: Notify medical personnel of contaminated situations and have them take appropriate protective measures.

5. FIRE FIGHTING MEASURES

Suitable (Unsuitable) extinguishing media : Avoid use of water jet for extinguishing. Dry chemical, carbon dioxide, regular foam extinguishing agent, spray.

Hazards arising from chemical : Causes serious eye irritation. Causes skin irritation. May cause an allergic skin reaction. Toxic to aquatic life with long lasting effects.



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Special firefighting procedures

: Avoid inhalation of materials or combustion by products. Cool containers with water until well after fire is out. Do not approach the tank surrounded by fire until it is extinguished. In case of conflagration, use automatic fire sprinkler. Major fire may require withdrawal, allowing the object itself to burn. Keep unauthorized personnel out.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Do not touch spilled material. Stop leak if you can do it without risk. Handle the damaged containers or spilled material after wearing appropriate protective equipment. Move container to safe area from the leak area. Must work against the wind, let the upwind people to evacuate.

Remove all sources of ignition.

Environmental precautions:

If large amount have been spilled, inform the relevant authorities. Prevent runoff and contact with waterways, drain or sewers.

Methods and materials for containment and cleaning up:

Appropriate container for disposal of spilled material collected. Dike for later disposal. Disposal of waste shall be in compliance with the Wastes Control Act. Large spill: Stay upwind and keep out of low areas. Dike for later disposal. Notify the central and local government if the emission reach the standard threshold.

7. HANDLING AND STORAGE

Precautions for safe handling: Avoid contact with incompatible materials. Avoid direct physical contact. Comply with all applicable laws and regulations for handling. Dealing only with a well-ventilated place. Do not handle until all safety precautions have been read and understood.

Conditions for safe storage: Avoid direct sunlight. Check regularly for leaks. Do not apply any physical shock to container. Do not apply direct heat. Do not use damaged containers.



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8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

- Exposure limits : ACGIH TLV - Not applicable.
OSHA PEL - Not applicable.
- Engineering controls : Business owner is recommended to maintain below recommended expose limits for the working place with general exhaust of gas/vapour/mist/fume.
- Respiratory protection : Air-purifying respirator with high-efficiency particulate filtering. Any air-purifying respirator with a full facepiece and an organic vapor canister. Any chemical cartridge respirator with a full facepiece and organic vapor cartridge(s). Any chemical cartridge respirator with organic vapor cartridge(s). Any respiratory protection with a electromotion fan(for dust, mist, fume-purifying). Consider warning properties before use. Dust, mist, fume-purifying respiratory protection For Unknown Concentration or Immediately Dangerous to Life or Health: Any supplied-air respirator with full facepiece and operated in a pressure-demand or other positive-pressure mode in combination with a separate escape supply. Any self-contained breathing apparatus with a full facepiece. Respiratory protection is ranked in order from minimum to maximum. Self-contained breathing apparatus with a corpuscle filter of high efficiency. Under conditions of frequent use or heavy exposure, respiratory protection may be needed.
- Eye protection : Provide an emergency eye wash station and quick drench shower in the immediate work area. Wear primary eye protection such as splash resistant safety goggles with a secondary protection face shield.
- Hand protection : Wear appropriate chemical resistant glove.
- Skin protection : Wear appropriate chemical resistant protective clothing.
- Others : Not applicable.



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9. PHYSICAL AND CHEMICAL PROPERTIES

Relative density	: 1.35
Melting point or range, °C	: N/A
Boiling point or range, °C	: > 200 °C
PH	: N/A
Viscosity	: 3500 cP (23 ±2 °C)
Flash point	: 259 °C
Solubility in water	: Insoluble
Bulk density	: 1.4
Vapor pressure, mmHg at 20°C	: 0.06mm Hg (21 °C)
Appearance and odor	: Brownish liquid (viscous), mild odor.

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

10. STABILITY AND REACTIVITY

Chemical stability	: The product is stable under normal conditions of use, storage and handling conditions.
Possibility of hazardous reactions	: Hazardous polymerization will not occur.
Conditions to avoid	: Accumulation of electrostatic charges, heating, flames and hot surfaces. Contact with incompatible materials and conditions.
Incompatibility materials	: Not available.
Hazardous decomposition products	: May emit flammable vapour if involved in fire.



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11. TOXICOLOGY INFORMATION

Information on the likely routes of exposure:

Respiratory tracts

- Not available.

Oral

- Not available

Eye-Skin

- Causes skin irritation. May cause an allergic skin reaction.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute toxicity

- Oral

[2,2-Bis(4'-glycidyoxyphenyl)propane] : LD50 11,300 mg/kg rat (HSDB)

- Dermal

[2,2-Bis(4'-glycidyoxyphenyl)propane] : LD50 >23,200 mg/kg Rabbit (IARC, NITE)

- Inhalation

Not available

Skin corrosion/irritation:

- Cause skin irritation

Serious eye damage/irritation

- Causes serious eye irritation.

Respiratory sensitization

- Not available

Skin sensitization

- May cause an allergic skin reaction

Carcinogenicity

IARC

- [2,2-Bis(4'-glycidyoxyphenyl)propane] : Group 3

OSHA

- Not available

ACGIH

- Not available

NTP

- Not available

EU CLP

- Not available



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Germ cell mutagenicity

- Not available

Reproductive toxicity

- Not available

STOT-single exposure

- Not available

STOT-repeated exposure

- Not available

Aspiration hazard

- Not available

12. ECOLOGICAL INFORMATION

Ecotoxicity

Fish

- [2,2-Bis(4'-glycidyoxyphenyl)propane] : LC50 1.5 mg/L 96 hr Oncorhynchus mykiss (ECHA)

Crustacea

- [2,2-Bis(4'-glycidyoxyphenyl)propane] : EC50 1.7 mg/L 48 hr Daphnia magna (ECHA)

Algae

- [2,2-Bis(4'-glycidyoxyphenyl)propane] : EC50 9.4 mg/L 72 hr, NOEC 4.2 mg/L 72 hr Scenedesmus capricornutum (ECHA)

Persistence and degradability

Persistence


- [2,2-Bis(4'-glycidyoxyphenyl)propane] : log Kow 2.64 ~ 3.78 (25 °C) (ECHA)

Degradability

- Not available

Bioaccumulative potential

Bioaccumulative potential

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- [2,2-Bis(4'-glycidyoxyphenyl)propane] : Log BCF 1.11 ± 0.75, BCF 31 (OASIS CATABOL QSAR estimate, ECHA)

Biodegradation

- [2,2-Bis(4'-glycidyoxyphenyl)propane] : 0 (%) 28 day (NITE)

Mobility in soil

- Not available

Other adverse effects

- Not available

13. DISPOSAL CONSIDERATIONS

Disposal instructions

: It shall be treated by incineration. Oil water separation technology shall be applied as pre-waste treatment if it is applicable. Stabilization and minimization treatment by incineration or similar method can be applied, if more than two kinds of designated wastes are in mixture state and it is impractical to separate them.

Special precautions for disposal

: Anyone with business license number who generates industrial wastes shall treat the waste by him/herself or by entrusting to the legal entities who treat the wastes, recycle the wastes of others or install and operate the waste treatment facilities according to the Wastes Control Act. Dispose of waste in accordance with all applicable laws and regulations.

14. TRANSPORT INFORMATION

UN No. (IMDG CODE/IATA DGR)

3082

Proper shipping name

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.(2,2-Bis(4'-glycidyoxyphenyl)propane)

Hazard Class

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IMDG CODE/IATA DGR Packing group
III

Marine pollutant
Applicable

Special precautions for user related to transport or transportation measures

Local transport follows in accordance with Dangerous goods Safety Management Law.
Package and transport follow in accordance with Department of Transportation (DOT)
and other regulatory agency requirements. EmS FIRE SCHEDULE: F-A (General fire
schedule). EmS SPILLAGE SCHEDULE: S-F (Water-soluble marine pollutants).

15. REGULATORY INFORMATION

POPs Management Law

- [2,2-Bis(4'-glycidyoxyphenyl)propane] : Not applicable

Information of EU Classification

Classification

- [2,2-Bis(4'-glycidyoxyphenyl)propane] : H315,H317,H319

U.S. Federal regulations

OSHA PROCESS SAFETY (29CFR1910.119)

- Not applicable

CERCLA Section 103 (40CFR302.4)

- Not applicable

EPCRA Section 302 (40CFR355.30)


- Not applicable

EPCRA Section 304 (40CFR355.40)

- Not applicable

EPCRA Section 313 (40CFR372.65)

- Not applicable

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Rotterdam Convention listed ingredients
- Not applicable

Stockholm Convention listed ingredients
- Not applicable

Montreal Protocol listed ingredients
- Not applicable

16. OTHER INFORMATION

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