



Globally Proven  
Construction Solutions

Form

Rev: A  
Page: 1 of 7  
Date: 27/02/2019

# Safety Data Sheet

## 1. PRODUCT IDENTIFICATION

TRADE NAME (as labeled): Mortar Primer EP & Mortar EP 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: 07/09/2023

## 2. HAZARDOUS INGREDIENTS

CHEMICAL NAME	CAS NUMBERS	PERCENT
Formaldehyde, polymer with benzenamine, hydrogenated	135108-88-2	25 % - 50 %
2,4,6-Tris(dimethylaminomethyl)phenol	90-72-2	< 10 %
Benzyl alcohol	100-51-6	25 % - 50 %
4,4'-Methylenebis(cyclohexylamine)	1761-71-3	< 5 %

## 3. HEALTH HAZARD INFORMATION

Classification of the substance or mixture

Classification according to Regulation (EC) NO. 1272/2008 (CLP)

Acute toxicity (Oral)	Category 4	H302-Harmful if swallowed.
Skin corrosion	Category 1B	H314-Causes severe skin burns and eye damage
Skin sensitization	Category 1	H317-May cause an allergic skin reaction



Globally Proven  
Construction Solutions

Form

Rev: A  
Page: 2 of 7  
Date: 27/02/2019

# Safety Data Sheet

Specific target organ toxicity  
– repeated exposure

Category 2

H373-May cause damage to organs through prolonged or repeated exposure if swallowed.  
H412-Harmful to aquatic life with long lasting effects.

Chronic aquatic toxicity

Category 3



Singal word:

Danger

Hazard statement:

H302 – Harmful if swallowed.  
H314 – Causes severe skin burns and eye damage.  
H317 – May cause an allergic skin reaction.  
H373 – May cause damage to organs through prolonged or repeated exposure.  
H412 – Harmful to aquatic life with long lasting effects.

Precautionary statement:  
(Prevention)

P260 – Do not breathe dust/fume/gas/mist/vapors/spray.  
P273 – Avoid release to the environment.  
P280 – Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary statement:  
(Response)

P303 + P361 + P353 – IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
P305 + P351 + P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P310 – Immediately call a POISON CENTRE/doctor.

Other hazard:

None known.

## 4. FIRST AID: EMERGENCY PROCEDURES

General advice:

Seek medical advice.



Globally Proven  
Construction Solutions

Form

Rev: A  
Page: 3 of 7  
Date: 27/02/2019

# Safety Data Sheet

If breathing has stopped or is labored, give assisted respirations. Supplemental oxygen may be indicated. If the heart has stopped, trained personnel should begin cardiopulmonary resuscitation immediately.

Inhalation:

Move to fresh air.

Skin contact:

Immediately remove contaminated clothing, and any extraneous chemical, if possible to do so without delay.

Flush immediately with copious amounts of water.

Initiate and maintain continuous irrigation until the patient receives medical care. If medical care is not promptly available, continue to irrigate for one hour.

Cover wound with sterile dressing. Wash off immediately with soap and plenty of water.

Eye contact:

Hold eyelids apart, initiate and maintain gentle and continuous irrigation until the patient receives medical care. If medical care is not promptly available, continue to irrigate for one hour. Rinse immediately with plenty of water for at least 15 minutes.

Ingestion:

Do not induce vomiting without medical advice.

Never give anything by mouth to an unconscious person. Prevent aspiration of vomit. Turn victim's head to the side.

Most important symptoms and effects, both acute and delayed.

Symptoms: Up to now no symptoms are known.

Hazards: None known.

Indication of any immediate medical attention and special treatment needed.

Treat symptomatically.

## 5. FIRE FIGHTING MEASURES

Extinguishing media

Suitable extinguishing agents: Alcohol-resistant foam  
Carbon dioxide (CO2)  
Dry chemical  
Dry sand  
Limestone powder

Unsuitable extinguishing agents: No data available



Globally Proven  
Construction Solutions

Form

Rev: A  
Page: 4 of 7  
Date: 27/02/2019

# Safety Data Sheet

Special hazards arising from the substance or mixture:

Incomplete combustion may form carbon monoxide.  
May generate ammonia gas.  
May generate toxic nitrogen oxide gases.  
Burning produces noxious and toxic fumes.  
Downwind personnel must be evacuated.

Advice for firefighters:

Avoid contact with skin.  
A face shield should be worn.  
Use personal protective equipment.  
Wear self-contained breathing apparatus for firefighting if necessary.  
Do not allow run-off from fire fighting to enter drains or water courses.  
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

## 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Wear suitable protective clothing, gloves and eye/face protection.  
Use self-contained breathing apparatus and chemically protective clothing. Evacuate personnel to safe areas.

Environmental precautions:

Construct a dike to prevent spreading.

Methods and material for containment and cleaning up:

Call Emergency Response number for advice.  
Approach suspected leak areas with caution. Place in appropriate chemical waste container.

Reference to other sections:

For further information on exposure monitoring and disposal see sections 8 and 13.

## 7. HANDLING AND STORAGE

Precautions for safe handling  
Advice on safe handling:

Do not use sodium nitrite or other nitrosating agents in formulations containing this product. Suspected cancer-causing nitrosamines could be formed.  
Avoid contact with skin and eyes.



Globally Proven  
Construction Solutions

Form

Rev: A  
Page: 5 of 7  
Date: 27/02/2019

# Safety Data Sheet

Emergency showers and eye wash stations should be readily accessible.  
Adhere to work practice rules established by government regulations.  
Use personal protective equipment.

Hygiene measures:

Provide readily accessible eye wash stations and safety showers.

General protective measures:

Discard contaminated leather articles.  
Remove contaminated clothing. Drench affected area with water for at least 15 minutes.  
Wash hands at the end of each workshift and before eating, smoking or using the toilet.

Conditions for safe storage, including any incompatibilities  
Prevention of fire and explosion  
Information:

No special measures required.

Storage  
Information:

Do not store near acids.  
Keep containers tightly closed in a dry, cool and well-ventilated place.

Specific end use(s):

No further information available

## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Control parameters:

No data available.

Exposure controls

Appropriate engineering controls:

Provide readily accessible eye wash stations and safety showers.  
Provide natural or explosion-proof ventilation adequate to ensure concentrations are kept below exposure limits.

Eye protection:

Full face shield with goggles underneath.

Hand protection:

Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when



Globally Proven  
Construction Solutions

Form

Rev: A  
Page: 6 of 7  
Date: 27/02/2019

# Safety Data Sheet

handling chemical products if a risk assessment indicates this is necessary.

Butyl-rubber  
Nitrile rubber  
Neoprene gloves  
Polyvinyl Alcohol Gloves (PVA).  
PVC disposable gloves

Body Protection:

No specific recommendation. Impervious clothing  
Full rubber suit (rain gear).  
Rubber or plastic boots

Respiratory protection:

Not required for properly ventilated areas. Not required for properly ventilated areas.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance Form : Liquid  
Color : Amber  
Odor : Ammoniacal  
Melting point/Melting range : No data available  
Boiling point/Boiling range : > 200°C  
Flash point : > 100°C  
Vapor pressure : < 1.333 hPa  
Relative density : 1.02  
Solubility in/ Miscibility with Water : No data available  
Viscosity at 25°C : 220 mPa.s

## 10. STABILITY AND REACTIVITY

Chemical stability :   x   Stable        Unstable  
Reactivity : See section "Possibility of hazardous reactions"  
Possibility of hazardous reactions : No data available  
Conditions to avoid : No data available  
Incompatibility materials : Reactive metals (e.g. sodium, calcium, zinc etc.).  
Materials reactive with hydroxyl compounds.



Globally Proven  
Construction Solutions

Form

Rev: A  
Page: 7 of 7  
Date: 27/02/2019

# Safety Data Sheet

CAUTION! N-Nitrosamines, many of which are known to be potent carcinogens, may be formed when the product comes in contact with nitrous acid, nitrites or atmospheres with high nitrous oxide concentrations.

Nitrous acid and other nitrosating agents

Organic acids (i.e. acetic acid, citric acid etc.).

Mineral acids.

sodium hypochlorite

Product slowly corrodes copper, aluminum, zinc and galvanized surfaces.

Reaction with peroxides may result in violent decomposition of peroxide possibly creating an explosion.

Oxidizing agents

Hazardous decomposition  
Products

: Nitric acid  
Ammonia  
Nitrogen oxides (NO<sub>x</sub>)  
Nitrogen oxide can react with water vapors to form corrosive nitric acid.  
Carbon monoxide  
Carbon dioxide (CO<sub>2</sub>)  
Aldehydes  
Flammable hydrocarbon fragments.  
Nitrosamine

## 11. TOXICOLOGY INFORMATION

Information on toxicological effects

Acute toxicity (oral) : LD50  
Dose: > 500 mg/kg  
Method: estimated

Acute toxicity (inhalation) : No data is available on the product itself.

Acute toxicity (dermal) : No data is available on the product itself.

Irritation/corrosion of the skin : Causes skin burns.

Serious eye damage/ eye : Risk of serious damage to eyes.



Globally Proven  
Construction Solutions

Form

Rev: A  
Page: 8 of 7  
Date: 27/02/2019

# Safety Data Sheet

- Irritation : Corneal edema may give rise to a perception of "blue haze" or "fog" around lights. This effect is temporary and has no known residual effect. Product vapor can cause glaucopsia (corneal edema ) when absorbed into the tissue of the eye from the atmosphere.
- Respiratory/skin sensitization : Dermal sensitization to this product or component has been seen in some humans. Component of this product has been found to cause mild skin sensitization in guinea pigs. May cause sensitization of susceptible persons by skin contact.
- Repeated dose toxicity : Mixed polycycloaliphatic amines was tested in rats for systemic effects in a subchronic (28-day) oral study at doses ranging from 15 to 300 mg/kg/day. Effects seen at 300 mg/kg/day included decreased survival, decreased body weight gain, increased liver, kidney, and adrenal weights and histological changes in the liver, kidney, adrenals and spleen. The No-Observed-Adverse-Effect-Level (NOAEL) was 15 mg/kg/day. Rats exposed orally to 800 mg/kg benzyl alcohol for thirteen weeks exhibited CNS depression and histopathological changes in the brain, thymus and skeletal muscles. The No Observed Adverse Effect Level (NOAEL) was 400 mg/kg. No evidence of carcinogenicity was seen in a two-year study with rats and mice.

## 12. ECOLOGICAL INFORMATION

### Toxicity

- Aquaticity, fish : No data available  
Aquaticity, invertebrates : No data available  
Aquaticity, algae / aquatic plants : No data available  
Toxicity in microorganisms : No data available  
chronic toxicity in fish : No data available  
Chronic toxicity in aquatic Invertebrates : No data available

### Persistence and degradability





Globally Proven  
Construction Solutions

Form

Rev: A  
Page: 9 of 7  
Date: 27/02/2019

# Safety Data Sheet

Photodegradation	: No data available
Biological degradability	: No data available
Bioaccumulative potential	
Bioaccumulation	: No data available
Mobility in soil	
Environmental distribution	: No data available
Results of PBT and vPvB assessment	
PBT and vPvB assessment	: No data available
Other adverse effects	
General Information	: Do not allow to enter soil, waterways or waste water canal.

## 13. DISPOSAL CONSIDERATIONS

### Waste treatment methods

Product	: Contact supplier if guidance is required.
Contaminated packaging	: Dispose of container and unused contents in accordance with federal, state, and local requirements.

## 14. TRANSPORT INFORMATION

### Transport on land (ADR/RID/GGVSEB)

UN number	: UN 2735
UN proper shipping name	: AMINES, LIQUID, CORROSIVE, N.O.S. (Cycloaliphatic amine, Tertiary amine)
Transport hazard class(es)	: 8
Packing group	: II
Environmental hazards	: -
Special precautions for user	: Yes
ADR	: Tunnel Restriction Code: (E)
Keep separate from foodstuffs, luxury foods, feedstuffs	

### Inland waterway transport (ADN/GGVSEB (Germany))

Special precautions for user	: Yes
Keep separate from foodstuffs, luxury foods, feedstuffs	

### Air transport ICAO-TI/IATA-DGR

UN number	: UN 2735
-----------	-----------



Globally Proven  
Construction Solutions

Form

Rev: A

Page: 10 of 7

Date: 27/02/2019

# Safety Data Sheet

UN proper shipping name : Amines, liquid, corrosive, n.o.s. (Cycloaliphatic amine, Tertiary amine)  
Transport hazard class(es) : 8  
Packing group : II  
Environmental hazards : -  
Special precautions for user : Yes  
Keep separate from foodstuffs, luxury foods, feedstuffs

Sea transport IMDG-Code/GGVSee (Germany)  
UN number : UN 2735  
UN proper shipping name : AMINES, LIQUID, CORROSIVE, N.O.S. (Cycloaliphatic amine, Tertiary amine)  
Transport hazard class(es) : 8  
Packing group : II  
Environmental hazards (Marine pollutant) : -  
Special precautions for user : Yes  
EmS : F-A,S-B  
Keep separate from acids.  
Keep separate from foodstuffs, luxury foods, feedstuffs

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:  
for transport approval see regulatory information

## 15. REGULATORY INFORMATION

National legislation

Notification status

Europe (EINECS/ELINCS) : listed/registered or exempted  
USA (TSCA) : listed/registered or exempted  
Canada (DSL) : listed/registered or exempted  
Australia (AICS) : listed/registered or exempted  
Japan (ENCS) : listed/registered or exempted  
Korea (TCCL) : listed/registered or exempted  
Philippines (PICCS) : listed/registered or exempted  
China (IECSC) : listed/registered or exempted

Chemical safety assessment

If this product does not contain exposure scenarios, the components in this product are either exempt from REACH, do not meet the minimum volume threshold for a CSA, or the CSA has not yet been completed.



Globally Proven  
Construction Solutions

# Safety Data Sheet

Rev: A

Page: 11 of 7

Date: 27/02/2019

## 16. REGULATORY 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.