



Globally Proven
 Construction Solutions

Safety Data Sheet

1. PRODUCT IDENTIFICATION

TRADE NAME (as labeled): Mortar UT HF Part B

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: 28/09/2021

2. HEALTH HAZARD IDENTIFICATION

CLASSIFICATION:

Skin Corrosion/Irritation	Category 2	H315	May causes skin irritation
Serious Eye Damage/Eye Irritation	Category 2	H319	Causes serious eye irritation
Respiratory Sensitization	Category 1	H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled
Carcinogenicity	Category 2	H351	Suspected of causing cancer
Reproductive Toxicity	Category 2	H373	May cause damage to organs through prolonged or repeated exposure

HAZARD PICTOGRAMS :



SIGNAL WORD : DANGER



Globally Proven
Construction Solutions

Safety Data Sheet

HAZARD STATEMENTS : H332 Harmful if inhaled
 H315 Causes skin irritation
 H319 Causes serious eye irritation
 H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled
 H317 May cause allergic skin reaction
 H335 May cause respiratory irritation
 H351 Suspected of causing cancer
 H373 May cause damage to organs through prolonged or repeated exposure

PRECAUTIONARY STATEMENTS : P260 Do not breathe dust/ fume/ gas/ mist/ vapors/ spray
 P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
 P285 In case of inadequate ventilation wear respiratory protection
 P302 + P352 IF ON SKIN: Wash with plenty of soap and water
 P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
 P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
 P309 + P311 IF exposed or if feel unwell: Call a POISON CENTRE or doctor/ physician

3. COMPOSITION INGREDIENTS

CHEMICAL NAMES	CAS NUMBERS	%
DIPHENYLMETHANE DISSOCYANATE, ISOMERS AND HOMOLOGUES	9016-87-9	100
DIPHENYLMETHANE-4,4'-DI-ISOCYANATE	101-68-8	40-50



**Globally Proven
 Construction Solutions**

Safety Data Sheet

4. FIRST AID: EMERGENCY PROCEDURES

General Advice : First Aid responders should pay attention to self-protection and use the recommended protective clothing (chemical resistant gloves, splash protection). If potential for exposure exists refer to Section 8 for specific personal protective equipment.

Inhalation : Move person to fresh air. If not breathing, give artificial respiration; if by mouth-to-mouth use rescuer protection (pocket mask, etc.). If breathing is difficult, oxygen should be administered by qualified personnel. Call a physician or transport to a medical facility.

Skin Contact : Remove material from skin immediately by washing with soap and plenty of water. Remove contaminated clothing and shoes while washing. Seek medical attention if irritation persists. Wash clothing before reuse. An MDI skin decontamination study demonstrated that cleaning very soon after exposure is important and that a polyglycol-based skin cleaner or corn oil may be more effective than soap and water. Discard items which cannot be decontaminated, including leather articles such as shoes, belts, and watchbands. Suitable emergency safety shower facility should be available in work area.

Eye Contact : Immediately flush eyes with water; remove contact lens, if present, after the first 5 minutes then continue flushing eyes for at least 15 minutes. Obtain medical attention without delay, preferably from an ophthalmologist. Suitable emergency eye wash facility should be immediately available.

Ingestion : If swallowed, seek medical attention. Do not induce vomiting unless directed to do so by medical personnel.

5. FIRE FIGHTING MEASURES

Extinguishing Media : Water fog or fine spray. Dry chemical fire extinguishers, carbon dioxide fire extinguishers, foam. Do not use direct water stream. May spread fire. Alcohol resistant foams (ATC type) are preferred. General purpose synthetic foams (including AFFF) or protein foams may function but will be less effective.



**Globally Proven
Construction Solutions**

Safety Data Sheet

Special Hazards arising from
substance or mixture

: Products reacts with water. Reaction may produce heat and/or gases. This reaction may be violent. Container may rupture from gas generation in a fire situation. Violent steam generation or eruption may occur upon application of direct water steam to hot liquids. Dense smoke is produced when product burns.

Fire Fighting Instruction

: Keep people away. Isolate fire and deny unnecessary entry. Stay upwind. Keep out of low areas where gases (fumes) can accumulate. Water is not recommended but may be applied in large quantities as a fine spray when other extinguishing agents are not available. Do not use direct water stream. May spread fire. Fight fire from protected location or safe distance. Consider the use of unmanned hose holders or monitor nozzles. Immediately withdrawn all personnel from the area in case of rising sound from venting safety device or discoloration of the container. Move container from fire area if it is possible without hazard. Use water spray to cool fire-exposed containers and fire-affected zone until fire is out. Contain fire water run-off if possible. Fire water run-off, if not contained, may cause environment damage. Review the "Accidental Release Measures" and the "Ecological Information" sections of this (M)SDS.

6. ACCIDENTAL RELEASE MEASURES

Personal Precaution

: Isolate area. Keep unnecessary and unprotected personnel from entering the area. Keep personnel out of low areas. Keep upwind of spill. Spilled material may cause a slipping hazard. Ventilate area of leak or spill. If available, use foam to smother or suppress. Refer to Section 7, Handling, for additional precautionary measures. See Section 10, for more specific information. Use appropriate safety equipment. For additional information, refer to Section 8, Exposure Controls and Personal Protection.

Environmental Precaution

: Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See Section 12. Ecological Information.



Globally Proven
Construction Solutions

Safety Data Sheet

Methods for Cleaning Up : Contain spilled material if possible. Absorb with materials such as: Dirt, Vermiculite, Sand, Clay. Do NOT use absorbent materials such as: Cement powder (Note: may generate heat). Collect in suitable and properly labeled open containers. Do not place in sealed containers. Suitable containers include: Metal drums, Plastic drums, Polylined fiber pacs. Wash the spill site with large quantities of water. Attempt to neutralize by adding suitable decontaminant solution; Formulation 1: sodium carbonate 5-10%, liquid detergent 0.2-2% water to make up 100%, OR formulation 2; concentrated ammonia solution 3-8% liquid detergent, 0.2-2% water to make up to 100%. If ammonia is used, use good ventilation to prevent vapor exposure. Contact Dow for clean-up assistance. See Section 13, Disposal Considerations, for additional information.

7. HANDLING AND STORAGE

Handling : Avoid breathing vapor. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated contact with skin. Use with adequate ventilation. Wash thoroughly after handling. Keep container tightly closed. See Section 8, Exposure controls and personal protection. Spills of these organic materials on hot fibrous insulations may lead to lowering of the autoignition temperatures possibly resulting in spontaneous combustion.

Storage : Store in a dry place. Protect from atmospheric moisture. Do not store product contaminated with water to prevent potential hazardous reaction. See Section 10 for more specific information.

Additional storage and handling information on this product may be obtained by calling your sales or customer service contact.

Shelf life : Use within 6 months

Storage temperature : 24-41°C

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Engineering Control : Use only with adequate ventilation. Provide general and/or local exhaust ventilation to control airborne levels below the exposure guidelines.



**Globally Proven
 Construction Solutions**

Safety Data Sheet

Exhaust systems should be designed to move the air away from the source of vapor/aerosol generation and people working at this point. The odor and irritancy of this material are inadequate to warn of excessive exposure. Local exhaust ventilation may be necessary for some operations.

Hygiene Measure : Use good personal hygiene. Do not consume or store food in work area. Wash hands before smoking or eating.

Respiratory Protection: Atmosphere levels should be maintained below the exposure guideline.

Hand Protection : Use chemical resistance gloves classified under Standard EN374; The glove with protection class of 5 or higher.

Eye /face Protection : Use chemical goggles. Chemical goggles should be consistent with EN 166 or equivalent.

Skin Protection : Use protective clothing chemically resistant to this material. Selection of specific items such as face shield, boots, apron or full body suit will depend on the task.

9. PHYSICAL AND CHEMICAL PROPERTIES

Odour : Musty

Physical State : Liquid

Color : Brown

Flammability (solid, gas) : Not applicable to liquids

Boiling Point (760 mmHg) : Decomposes prior to boiling

Melting Point : No applicable

Flash Point : > 204°C

Solubility in water (by weight) : Insoluble, reacts, evolution of CO₂

Relative Density : 1.24



Globally Proven
 Construction Solutions

Safety Data Sheet

10. STABILITY AND REACTIVITY

- Stability : Stable under recommended storage conditions. See Section 7, Storage.
- Hazardous Polymerization : Elevated temperatures can cause hazardous polymerization. Polymerization can be catalyzed by: Strong bases, Water.
- Hazardous reactions : Can occur.

11. TOXICOLOGY INFORMATION

- Ingestion : Low toxicity if swallowed. Small amounts swallowed incidentally as a result of normal handling operations are not likely to cause injury; however, swallowing larger amounts may cause injury. Typical for this family of materials. LD50, Rat > 10,000mg/kg.
- Dermal : Prolonged skin contact is unlikely to result in absorption of harmful amounts. Typical for this family of materials. LD50, Rabbit > 2,000 mg/kg.
- Inhalation : At room temperature, vapors are minimal due to low volatility. Excessive exposure may cause irritation to upper respiratory tract (nose and throat) and lungs. May cause pulmonary edema.
- Skin corrosion/irritation : Prolonged contact may cause slight skin irritation with local redness. May stain skin.
- Respiratory : May cause allergic respiratory response. MDI concentrations below the exposure guidelines may cause allergic respiratory reactions in individuals already sensitized. Asthma-like symptoms may include coughing, difficult breathing and a feeling of tightness in the chest. Occasionally, breathing difficulties may be life threatening.
- Development Toxicity : In laboratory animals, MDI/polymeric MDI did not cause birth defects; other fetal effects occurred only at high doses which were toxic to the mother.



**Globally Proven
 Construction Solutions**

Safety Data Sheet

12. ECOLOGICAL INFORMATION

Toxicity : The measured ecotoxicity is that of the hydrolyzed product, generally under conditions maximizing production of soluble species. Material is not classified as dangerous to aquatic organisms (LC50/EC50/IC50/LL50/EL50 greater than 100 mg/L in most sensitive species).

13. DISPOSAL CONSIDERATIONS

Product : When being disposed of in its unused and uncontaminated state should be treated as a hazardous waste according to EC Directive 91/689/EEC. Any disposal practices must be in compliance with all national and provincial laws and any municipal or local by-laws governing hazardous waste. For used, contaminated and residual materials additional evaluations may be required. Do not dump into any sewers, on the ground, or into any body of water. Incineration under approved, controlled conditions using incinerators suitable or designed for the disposal of hazardous chemical waste, is the preferred method for disposal. Small quantities of waste may be pretreated for example with polyol, to neutralize prior to disposal.

Contaminated Packaging : Empty drums should be decontaminated (See Section 6) and either punctured and scrapped or given to an approved drum reconditioner.

14. TRANSPORT INFORMATION

ARD/RID Shipping Data : Not regulated (Not dangerous for transport)
 IMO Shipping Data : Keep from freezing (Not dangerous for transport)
 ICAO/IATA Shipping Data : Keep from freezing (Not dangerous for transport)
 ROAD & RAIL : Not regulated
 OCEAN : Not regulated
 AIR : Not regulated



**Globally Proven
 Construction Solutions**

Safety Data Sheet

INLAND WATERWAYS : Not regulated

15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture.

US. Toxic Substances Control Act : All components of this product are on the TSCA Inventory or are exempt from TSCA Inventory requirements under 40 CFR 720.30

European Inventory of Existing Commercial Chemical Substance (EINECS) : The components of this product are on the EINECS inventory are exempt from inventory requirements.

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.