



For the Builders
of a Better World™

Form

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Safety Data Sheet

1. PRODUCT IDENTIFICATION

TRADE NAME (as labeled): Flow UT MF Part B

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: 21/08/2024

2. COMPOSITION INGREDIENTS

Chemical Names	CAS NUMBERS	%
DIPHENYLMETHANE DIISOCYANATE, POLYMERIC/4,4'- METHYLENEDIPHENYL DIISOCYANATE	9016-87-9 / 101-68-8	100

3. HEALTH HAZARD INFORMATION

CLASSIFICATION: SKIN IRRITATION - Category 2
EYE IRRITATION - Category 2A
SKIN SENSITIZATION - Category 1
AQUATIC HAZARD (LONG-TERM) - Category 3

HAZARD PICTOGRAMS :



SIGNAL WORD : WARNING



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HAZARD STATEMENTS

: Causes serious eye irritation. Causes skin irritation. May cause an allergic skin reaction. Harmful to aquatic life with long lasting effects.

PRECAUTIONARY STATEMENTS

Prevention

: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves. Wear eye or face protection. Wear protective clothing. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Avoid release to the environment. Do not breathe vapor or spray. Wash hands thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace.

Response

: Get medical attention if you feel unwell. IF exposed or concerned: Get medical attention. IF ON SKIN: Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.

Storage

: Store locked up. Store in a well-ventilated place. Keep cool.

Disposal

: Dispose of contents and container in accordance with all local, regional, national and international regulations.

4. FIRST AID: EMERGENCY PROCEDURES

Inhalation : Remove to fresh air. Restore and support continued breathing. Get emergency medical attention. Have trained person give oxygen if necessary. Get medical help for any breathing difficulty. Remove to fresh air if inhalation causes eye watering, headaches, dizziness, or other discomfort.



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Skin Contact : Flush from skin with water. Then wash thoroughly with soap and water. Remove contaminated clothing. Wash contaminated clothing before re-use.

Eye Contact : Flush immediately with large amount of water, especially under lids for at least 15 minutes. If irritation or other effects persist, obtain medical treatment.

Ingestion : If swallowed, obtain medical treatment immediately.

Effects of Overexposure

Inhalation : Irritation of respiratory tract. Prolonged inhalation may lead to mucous membrane irritation, fatigue, drowsiness, dizziness and/or light headedness, headache, uncoordination, nausea, vomiting, blurred vision, coughing, difficulty with speech, central nervous system depression, intoxication tightness of chest, anesthetic effect or narcosis, difficulty of breathing, allergic response, tremors, liver damage, kidney damage, pulmonary edema, pneumoconiosis, loss of consciousness, respiratory failure, asphyxiation, death. Possible sensitization to respiratory tract.

Skin Contact : Irritation of skin. Prolonged or repeated contact can cause dermatitis, defatting, blistering, severe skin irritation. Possible sensitization to skin.

Eye Contact : Irritation of eyes. Prolonged or repeated contact can cause conjunctivitis, blurred vision, tearing of eyes, redness of eyes, severe eye irritation, corneal injury.

Ingestion : Ingestion may cause lung inflammation and damage due to aspiration of material into lungs, mouth and throat irritation, mucous membrane irritation, drowsiness, dizziness and/or lightheadedness, headache, nausea, vomiting, diarrhea, gastrointestinal disturbances, abdominal pain, central nervous system depression, anesthetic effect or narcosis, liver damage kidney damage, pulmonary edema, convulsions, loss of consciousness.

Medical Conditions Aggravated by Exposure : Eye, skin, respiratory disorders, kidney disorders, liver disorders.



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5. FIRE FIGHTING MEASURES

- Extinguishing Media : Dry chemical or foam water fog. Carbon dioxide. Closed containers may explode when exposed to extreme heat or fire. Vapors may ignite explosively at ambient temperatures. Vapors are heavier than air and may travel long distances to a source of ignition and flash back. Vapors can form explosive mixtures in air at elevated temperatures. Closed containers may burst if exposed to extreme heat or fire. May decompose under fire conditions emitting irritant and/or toxic gases.
- Fire Fighting Instruction : Water may be used to cool and protect exposed containers. Firefighters should use full protective clothing, eye protection, and self-contained breathing apparatus.
- Hazardous decomposition or combustion products : Carbon monoxide, carbon dioxide, oxides of nitrogen, acrid fumes, oxide of sulfur, ammonia, oxygen, toxic gases, barium compounds, smoke and soot, unidentified organic compounds.

6. ACCIDENTAL RELEASE MEASURES

- Methods for Cleaning Up : Comply with all applicable health and environmental regulations. Eliminate all sources of ignition. Ventilate area. Ventilate area with explosive-proof equipment. Spills may be collected with absorbent materials. Use non-sparking tools. Evacuate all unnecessary personnel. Place collected material in proper container. Complete personnel protective equipment must be used during cleanup. Large spills – shut off leak if safe to do so. Dike and contain spill. Pump to storage or salvage vessels. Use absorbent to pick up excess residue. Keep salvageable material and rinse water out of sewers and water

7. HANDLING AND STORAGE

- Handling and Storage : Store below 30°C. Keep away from heat, sparks and open flame. Keep from freezing. Keep away from sunlight, heat and all sources of ignition.



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Other Precautions : Use only with adequate ventilation. Do not take internally. Keep out of reach of children. Avoid contact with skin and eyes, and breathing of vapors. Wash hands thoroughly after handling, especially before eating or smoking. Keep containers tightly closed and upright when not in use. Avoid conditions that result formation of inhalable particles such as spraying or abrading (sanding) painted surfaces. If such conditions cannot be avoided, use appropriate respiratory protection as directed under exposure controls/personal protection. Empty containers may contain hazardous residues. Ground equipment when transferring to prevent accumulation of static charge.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Respiratory Protection : Control environmental concentrations below applicable exposure standards when using this material. Determine the proper level of protection by conducting appropriate air monitoring. Consult 29CFR1910.134 For selection of Respirators (Canadian z94.4).

Ventilation : Provide dilution ventilation or local exhaust to ensure concentration are kept below explosion limit. Use explosion-proof equipment. Use non-sparking equipment.

Personal Protective Equipment : Eye wash, safety shower, safety glasses or goggles. Impervious gloves, impervious clothing, face shield, aprin, boots.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State : Liquid
Colour : Brownish
Odour : Characteristic
Specific Gravity : 1.20-1.25
% Volatile by Weight : 0 - 2%
Flash Point : 220°C



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10. STABILITY AND REACTIVITY

Under Normal Conditions : Stable see section 5 firefighting measures

Materials to avoid : Oxidizers, acids, bases, amines, aluminium, peroxides, nitric acid, phosphorus, caustics.

Conditions to avoid : Elevated temperatures, contact with oxidizing agent, freezing, sparks, open flame, ignition sources.

Hazardous Polymerization : Will not occur.

11. TOXICOLOGY INFORMATION

Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal. Other effects of overexposure may include toxicity to liver, kidney, central nervous system, blood.

12. ECOLOGICAL INFORMATION

N/A

13. DISPOSAL CONSIDERATIONS

Waste Disposal : Dispose in accordance with all applicable regulations. Avoid discharge to natural waters.

14. TRANSPORT INFORMATION

UN Number : None


UN Proper Shipping Name : None

Transport Hazard Class : None

Packing Group : None

Environmental Hazard : No

Transport Within User's : Always transport in closed containers that are upright and secure.

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Premises Ensure that persons transporting the product know what to do in the event of any accident or spillage. Transport by road, rail, sea or air.

15. REGULATORY INFORMATION

Applicable national regulations:

Standards on Hazard communication for hazardous chemicals and dangerous goods

SS 586: Part 1: 2021- Transport and storage of dangerous goods

SS 586: Part 2: 2014- GHS of classification and labelling of chemicals

SS 586: Part 3: 2008(2014)- Preparation of safety data sheet

MOM: Workplace Safety and Health Act & Workplace Safety and Health (General Provisions) Regulations

This product is subject to SDS, labelling, PEL and other requirements in the Acts/Regulations

NEA: Environmental Protection and Management Act & Environmental Protection and Management (Hazardous Substances) Regulations

This product is not subject to control under this Acts/Regulations.

SCDF: Fire Safety Act & Fire Safety (Petroleum and Flammable Materials) Regulations

This product is subject to the requirement of this Acts/Regulations.

SPF: The Arms and Explosive Act, the Arms and Explosives (Explosives) Rules, and the Arms and Explosives

This product is not subject to the requirement of this Acts/Regulations.

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.