Safety Data Sheet

1. PRODUCT IDENTIFICATION

TRADE NAME (as labeled) : LATICRETE® DRYTEK Moisture Vapor Barrier (Part A)

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: 11/01/2017

2. COMPOSITION INGREDIENTS

Chemical Names	CAS Numbers	Percent
Carbomonocyclic alkylated mixtures of poly-aza-alkanes, hydrogenated	1173092-74-4	15 - 20
Trimethylhexane-1.6-diamine	25620-58-0	5 - 9
4-Tert-butylphenol	98-54-4	5 - 8
m-Phenylenebis (methylamine)	1477-55-0	1 - 3
1,3-bis[3-(dimethylamino) propy l]urea	52338-87-1	0.5 - 1.5

3. HEALTH HAZARD INFORMATION

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

Inhaled	: Vapors may cause headache, fatigue, dizziness and nausea
Contact with skin or eyes	: Causes skin burns, allergic skin reaction and cause eye burns
Absorbed through skin	: N/A
Swallow:	: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.

5. FIRE FIGHTING MEASURES

Flash Point method	:	N/A
Auto ignition temperature, ^{o}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 fire fighting 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.
Unusual fire and explosion hazards	:	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

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. Dike the spilled material, where this is possible. 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.

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

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. Keep container tightly closed. Store in a cool and well-ventilated place.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Ventilation and engineering controls	:	N/A
Respiratory protection (type)	:	A NIOSH approved dust mask if TLV is exceeded
Eye protection (type)	:	Chemical goggles or safety glasses
Glove (specify material)	:	Use impervious gloves, vinyl or rubber
Other clothing and equipment	:	Use appropriate clothing to prevent skin contact. Barrier cream will assist in protecting the skin from contamination
Work practices, hygienic practices	:	Familiarize the employees with the special handling procedures in this section; also encourage prompt removal of contaminated clothing and washing of contaminated areas.
Other handling and storage requirements	:	N/A
Protective measures during maintenance of contaminated equipment	:	See above

9. PHYSICAL AND CHEMICAL PROPERTIES

Relative density	:	1.04
pH	:	Alkaline
Melting point or range, ^{o}C	:	N/A
Flash point	:	>100 ˚C
Boiling point or range, ^{o}C	:	200˚C
Solubility in water	:	Soluble
Evaporation rate (butyl acetate = 1)	:	N/A
Vapour pressure, mmHg at 21 ^{o}C	:	< 0.01 mm Hg
Appearance and odor	:	Yellow Ammoniacal Liquid

10. STABILITY AND REACTIVITY

Stability	:	Stable
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 (From burning, heating, or reaction with other materials)	:	Carbon dioxide (CO2). Carbon monoxide. Ammonia. By heating and fire, irritating vapors/gases may be formed
Hazardous polymerization	:	Will not occur

11. TOXICOLOGY INFORMATION

Acute toxicity: May cause discomfort if swallowed

Components	Species	Test Results
4-Tert-butylphenol (CAS 98-54-4)		
Acute		
Oral LD50	Rat	3620 mg/kg
m-Phenylenebis(methylamine) (CAS 1477-55-0)		
Dermal LD50	Rabbit	2000 mg/kg
Inhalation LC50	Rat	3.75 mg/l, 1 Hours

Oral LD50	Rat	930 mg/kg

12. ECOLOGICAL INFORMATION

Ecotoxicity Harmful to aquatic life with long lasting effects.

Components		**Species**	**Test Results**
4-Tert-butylphenol (CAS 98-54-4)			
Aquatic			
Crustacea hours	EC50	Water flea (Daphnia magna)	3.4 - 4.5 mg/l, 48
Fish mg/l, 96 hours	LC50	Fathead minnow (Pimephales promelas)	4.71 - 5.62

13. DISPOSAL CONSIDERATIONS

Disposal instructions: Collect and reclaim or dispose in sealed containers at licensed waste disposal site. This materialand its container must be disposed of as hazardous waste. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazardous waste code: The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

Waste from residues / unused products: Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues**.** This material and its container must be disposed of in a safe manner.

Contaminated packaging: Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

14. TRANSPORT INFORMATION

DOT

UN number UN2735
UN proper shipping name Amines, liquid, corrosive, n.o.s. (Carbomonocyclic alkylated mixtures of poly-aza-alkanes, hydrogenated, Trimethylhexane-1.6-diamine)

Transport hazard class(es)
Class 8
Subsidiary risk -
Label(s) 8
Packing group III
Environmental hazards

Marine pollutant No
Special precautions for user Read safety instructions, SDS and emergency procedures before handling.
Special provisions IB3, T7, TP1, TP28
Packaging exceptions 154
Packaging non bulk 203
Packaging bulk 241

IATA

UN number UN2735
UN proper shipping name Amines, liquid, corrosive, n.o.s. (Carbomonocyclic alkylated mixtures of poly-aza-alkanes, hydrogenated, Trimethylhexane-1.6-diamine)
Transport hazard class(es)

Class 8
Subsidiary risk -
Label(s) 8
Packing group III
Environmental hazards No
ERG Code 8L
Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

IMDG

UN number UN2735

UN proper shipping name Amines, liquid, corrosive, n.o.s. (Carbomonocyclic alkylated mixtures of poly-aza-alkanes, hydrogenated, Trimethylhexane-1.6-diamine)

Transport hazard class(es)

Class	8
Subsidiary risk	-
Label(s)	8
Packing group	III
Environmental hazards	
Marine pollutant	No
EmS	F-A, S-B

Special precautions for user
Read safety instructions, SDS and emergency procedures before handling.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:
This substance/mixture is not intended to be transported in bulk.

General information
IATA classification is not relevant as the material is not transported by air

15. REGULATORY INFORMATION

US federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

Superfund Amendments and Reauthorization Act of 1986 (SARA)
Hazard Categories
Immediate Hazard – Yes
Delayed Hazard – Yes
Fire Hazard- No
Pressure Hazard- No
Reactivity Hazard- No
SARA 311/312 Hazardous chemical – Yes

US. Massachusetts RTK - Substance List
m-Phenylenebis(methylamine) (CAS 1477-55-0)

US. New Jersey Worker and Community Right-to-Know Act
m-Phenylenebis(methylamine) (CAS 1477-55-0) Trimethylhexane-1.6-diamine (CAS 25620-58-0)

US. Pennsylvania Worker and Community Right-to-Know Law
m-Phenylenebis(methylamine) (CAS 1477-55-0)

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	No
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s).
A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

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.