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### 1. PRODUCT IDENTIFICATION

TRADE NAME (as labeled) : MVB (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: 05/07/2020

# 2. <u>COMPOSITION INGREDIENTS</u>

Chemical name	CAS number	%
Propane, 2,2-bis[p-(2,3-epoxypropoxy)ph enyl]-, polymers	25085-99-8	60 - 75
Reaction product: Bisphenol F- (epichlorohydrin); epoxy resin	28064-14-4	14 - 24
Alkyl(C12-14) glycidyl ether	68609-97-2	9 - 20
1,4-Bis(2,3- epoxypropoxy)buta ne	2425-79-8	2 - 10

# 3. HEALTH HAZARD INFORMATION







Inhaled : Avoid breathing vapors, mist or spray.



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Contact with skin or eyes : Causes skin irritation.

May cause an allergic skin reaction.

Causes serious eye damage.

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 Remove contaminated clothing immediately and wash skin with soap

and water. In case of eczema or other skin disorders: Seek medical

attention and take along these instructions.

Inhaled . Move to fresh air. Call a physician if symptoms develop or persist.

Swallowed : Rinse mouth. Get medical attention if symptoms occur.

# 5. FIRE FIGHTING MEASURES

Flash Point method : N/A

Auto ignition temperature, °C : N/A

Flammable limits in air, volume % : N/A

Fire extinguishing materials : Water fog. Foam. 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.



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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. <u>ACCIDENTAL RELEASE MEASURES</u>

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. <u>EXPOSURE CONTROLS AND PERSONAL PROTECTION</u>

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



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Other clothing and equipment

Use appropriate clothing to prevent skin contact. Barrier

cream will assist in protecting the skin from contamination

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

Work practices, hygienic practices

requirements

Protective measures during

maintenance of contaminated

equipment

N/A

: See above

# 9. PHYSICAL AND CHEMICAL PROPERTIES

Relative density : 1.12

pH : N/A

Melting point or range, °C : N/A

Flash point : >177 °C

Boiling point or range, °C : N/A

Solubility in water : Insoluble

Evaporation rate (butyl acetate = 1) : N/A

Vapour pressure, mmHg at 21 °C : 0.06 mm Hg

Appearance and odor : Yellow Mild Liquid

## 10. STABILITY AND REACTIVITY

Stability : Stable

Conditions to avoid : Excessive heat. Contact with incompatible

materials.



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Hazardous decomposition products (From burning, heating, or reaction with other meterials)

: At thermal decomposition temperatures, carbon monoxide and carbon dioxide. Aldehydes.

other materials)

: Will not occur

Hazardous polymerization

### 11. TOXICOLOGY INFORMATION

N/A

### 12. <u>ECOLOGICAL INFORMATION</u>

Components Species Test Results

Propane, 2,2-bis[p-(2,3-epoxypropoxy)phenyl]-, polymers (CAS 25085-99-8)

## **Aquatic**

Acute

Algae IC50 Algae 11 mg/l, 72 hours
Crustacea EC50 Daphnia 1.8 mg/l, 48 hours
Fish LC50 Fish 1 - 10 mg/l

Reaction product: Bisphenol F-(epichlorohydrin); epoxy resin (CAS 28064-14-4)

### Aquatic

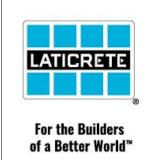
Acute

Fish LC50 Fish 1 - 10 mg/l

#### 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.



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**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 UN3082

**UN proper shipping name** Environmentally hazardous substance, liquid, n.o.s. (Propane, 2,2-

bis[p-(2,3-epoxypropoxy)phenyl]-, polymers, Reaction product:

Bisphenol F (epichlorohydrin); epoxy resin)

# Transport hazard class(es)

Class 9
Subsidiary risk Label(s) 9
Packing group III

#### Special precautions for user

Read safety instructions, SDS and emergency procedures before handling.

**Special provisions** 8, 148, 335, IB3, T4, TP1, TP29

Packaging exceptions 156
Packaging non bulk 203
Packaging bulk 241

**IATA** 

UN number UN3028



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UN proper shipping name Environmentally hazardous substance, liquid, n.o.s. (Propane,2,2-

bis[p-(2,3-epoxypropoxy)phenyl]-, polymers, Reaction product:

Bisphenol F-(epichlorohydrin); epoxy resin)

### Transport hazard class(es)

Class 9

Subsidiary risk -

Label(s) 9

Packing group III

**Environmental hazards** Yes

ERG Code 9L

### Special precautions for user

Read safety instructions, SDS and emergency procedures before handling.

### <u>IMDG</u>

UN number UN3082

**UN proper shipping name** Environmentally hazardous substance, liquid, n.o.s. (Propane, 2,2-

bis[p-(2,3-epoxypropoxy)phenyl]-, polymers, Reaction product:

Bisphenol F-(epichlorohydrin); epoxy resin)

#### Transport hazard class(es)

Class 9

Subsidiary risk -

Label(s) 9

Packing group III

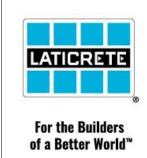
**Environmental hazards** 

Marine pollutant Yes

**EmS** F-A, S-F

#### Special precautions for user

Read safety instructions, SDS and emergency procedures before handling.



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### Transport in bulk according to

This substance/mixture is not intended to be transported in bulk.

### Annex II of MARPOL 73/78 and the IBC Code

#### **General information**

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

## 15. <u>REGULATORY INFORMATION</u>

**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

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)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No



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Japan Inventory of Existing and New Chemical No

Substances (ENCS)

KoreaExisting Chemicals List (ECL)YesNew ZealandNew Zealand InventoryYesPhilippinesPhilippine Inventory of Chemicals andYes

Chemical Substances (PICCS)

United States & Puerto Toxic Substances Control Act (TSCA) Yes

Rico Inventory

\*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.