SAFETY DATA SHEET

1. Identification

Product identifier: DRYTEK Moisture Vapor Barrier Part B
Other means of identification: None.
Recommended use: Vapor reduction membrane.
Recommended restrictions: None known.
Manufacturer/Importer/Supplier/Distributor information:
- Company Name: LATICRETE International
- Address: 1 Laticrete Park, N Bethany, CT 06524
- Telephone: (203)-393-0010
- Contact person: Steve Fine
- Website: www.laticrete.com
- Emergency phone number: Call CHEMTREC day or night
  - USA/Canada: 1.800.424.9300
  - Mexico: 1.800.681.9531
  - Outside USA/Canada: 1.703.527.3887

2. Hazard(s) identification

Physical hazards: Not classified.
Health hazards:
- Skin corrosion/irritation: Category 2
- Serious eye damage/eye irritation: Category 2A
- Sensitization, skin: Category 1
Environmental hazards:
- Hazardous to the aquatic environment, acute hazard: Category 2
- Hazardous to the aquatic environment, long-term hazard: Category 2
OSHA defined hazards: Not classified.

Label elements

Signal word: Warning
Hazard statement: Causes skin irritation. Causes serious eye irritation. May cause an allergic skin reaction. Toxic to aquatic life with long lasting effects.
Precautionary statement
Prevention: Wear protective gloves and eye/face protection. Avoid release to the environment. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Avoid breathing mist or vapor.
Response: If on skin: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. 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 advice/attention.
Storage: Store away from incompatible materials.
Disposal: Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazard(s) not otherwise classified (HNOC): Not classified.
3. Composition/information on ingredients

Mixtures

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS number</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Propane, 2,2-bis[p-(2,3-epoxypropoxy)phenyl]-, polymers</td>
<td>25085-99-8</td>
<td>60 - 75</td>
</tr>
<tr>
<td>Reaction product: Bisphenol F-(epichlorohydrin); epoxy resin</td>
<td>28064-14-4</td>
<td>14 - 24</td>
</tr>
<tr>
<td>Alkyl(C12-14) glycidyl ether</td>
<td>68609-97-2</td>
<td>9 - 20</td>
</tr>
<tr>
<td>1,4-Bis(2,3-epoxypropoxy)butane</td>
<td>2425-79-8</td>
<td>2 - 10</td>
</tr>
</tbody>
</table>

Composition comments: All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4. First-aid measures

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

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.

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 if irritation develops and persists.

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

Most important symptoms/effects, acute and delayed: Rash. Irritant effects.

Indication of immediate medical attention and special treatment needed: Provide general supportive measures and treat symptomatically. Symptoms may be delayed.

General information: Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. If you feel unwell, seek medical advice (show the label where possible). Wash contaminated clothing before reuse.

5. Fire-fighting measures


Unsuitable extinguishing media: Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards arising from the chemical: During fire, gases hazardous to health may be formed.

Special protective equipment and precautions for firefighters: Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Fire fighting equipment/instructions: In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk.

General fire hazards: No unusual fire or explosion hazards noted.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures: Keep unnecessary personnel away. 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.

Methods and materials for containment and cleaning up: Large Spills: Stop the flow of material, if this is without risk. 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.

Never return spills in original containers for re-use. For waste disposal, see Section 13 of the SDS.
Environmental precautions
Avoid release to the environment. Contact local authorities in case of spillage to drain/aquatic environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water. Avoid discharge into drains, water courses or onto the ground. Environmental manager must be informed of all releases.

7. Handling and storage
Precautions for safe handling
Avoid breathing mist or vapor. Avoid contact with eyes, skin, and clothing. Persons with epoxy allergy should not work with this product. Wear appropriate personal protective equipment. Provide adequate ventilation. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities
Keep container tightly closed. Store in a well-ventilated place. Store away from incompatible materials (See Section 10).

8. Exposure controls/personal protection
Occupational exposure limits
No exposure limits noted for ingredient(s).

Biological limit values
No biological exposure limits noted for the ingredient(s).

Appropriate engineering controls
Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Provide eyewash station.

Individual protection measures, such as personal protective equipment
Eye/face protection
Wear safety glasses with side shields (or goggles).

Skin protection
Hand protection
Wear appropriate chemical resistant gloves.

Other
Wear appropriate chemical resistant clothing.

Respiratory protection
In case of insufficient ventilation, wear suitable respiratory equipment.

Thermal hazards
Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations
Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. Physical and chemical properties
Appearance
Physical state
Liquid.
Form
Liquid.
Color
Yellow.

Odor
Mild.

Odor threshold
Not available.

pH
Not available.

Melting point/freezing point
Not applicable.

Initial boiling point and boiling range
Not applicable.

Flash point
> 350.6 °F (> 177.0 °C)

Evaporation rate
Not applicable.

Flammability (solid, gas)
Not available.

Upper/lower flammability or explosive limits
Flammability limit - lower (%)
Not available.

Flammability limit - upper (%)
Not available.

Explosive limit - lower (%)
Not available.

Explosive limit - upper (%)
Not available.

Vapor pressure
0.06 mm Hg (21 °C)

Vapor density
Not applicable.

Relative density
1.12
Solubility(ies)

**Solubility (water)**
Insoluble in water.

**Partition coefficient (n-octanol/water)**
Not available.

**Auto-ignition temperature**
Not available.

**Decomposition temperature**
Not available.

**Viscosity**
1120 cP (21°C)

**Other information**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Bulk density</strong></td>
<td>1.13</td>
</tr>
</tbody>
</table>

10. **Stability and reactivity**

**Reactivity**
The product is stable and non-reactive under normal conditions of use, storage and transport.

**Chemical stability**
Material is stable under normal conditions.

**Possibility of hazardous reactions**
Masses of more than 1 pound of product plus an aliphatic amine will cause irreversible polymerization with considerable heat build up.

**Conditions to avoid**
Excessive heat. Contact with incompatible materials.

**Incompatible materials**
Strong oxidizing agents.

**Hazardous decomposition products**
At thermal decomposition temperatures, carbon monoxide and carbon dioxide. Aldehydes.

11. **Toxicological information**

**Information on likely routes of exposure**

- **Inhalation**
  No adverse effects due to inhalation are expected.

- **Skin contact**
  Irritating to skin. May cause an allergic skin reaction.

- **Eye contact**
  Irritating to eyes.

- **Ingestion**
  May cause discomfort if swallowed.

**Symptoms related to the physical, chemical and toxicological characteristics**
Rash. Irritant effects.

**Information on toxicological effects**

- **Acute toxicity**
  May cause discomfort if swallowed.

- **Skin corrosion/irritation**
  Causes skin irritation.

- **Serious eye damage/eye irritation**
  Causes serious eye irritation.

**Respiratory or skin sensitization**

- **Respiratory sensitization**
  No data available.

- **Skin sensitization**
  May cause an allergic skin reaction.

**Germ cell mutagenicity**
Not expected to be mutagenic.

**Carcinogenicity**
This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

Not listed.

**Reproductive toxicity**
This product is not expected to cause reproductive or developmental effects.

**Specific target organ toxicity - single exposure**
No data available.

**Specific target organ toxicity - repeated exposure**
No data available.

**Aspiration hazard**
No data available.

**Chronic effects**
Prolonged or repeated contact may cause drying, cracking, or irritation.

12. **Ecological information**

**Ecotoxicity**
Toxic to aquatic life with long lasting effects.
Components
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

Persistence and degradability No data is available on the degradability of this product.
Bioaccumulative potential No data available for this product.
Mobility in soil Not available.
Other adverse effects No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

13. Disposal considerations
Disposal instructions Collect and reclaim or dispose in sealed containers at licensed waste disposal site. This material and 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.
Local disposal regulations Dispose of in accordance with local 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 (see: Disposal instructions).
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, 146, 335, IB3, T4, TP1, TP29
Packaging exceptions 155
Packaging non bulk 203
Packaging bulk 241
IATA
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 Yes
ERG Code 9L
Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

IMDG
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.
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.
TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D) Not regulated.
CERCLA Hazardous Substance List (40 CFR 302.4) Not listed.
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 302 Extremely hazardous substance Not listed.
SARA 311/312 Hazardous chemical Yes
SARA 313 (TRI reporting) Not regulated.
Other federal regulations
Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List Not regulated.
Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130) Not regulated.
Safe Drinking Water Act (SDWA) Not regulated.
US state regulations
California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.
US. Massachusetts RTK - Substance List Not regulated.
US. New Jersey Worker and Community Right-to-Know Act Not listed.
US. Pennsylvania Worker and Community Right-to-Know Law
Not listed.

US. Rhode Island RTK
Not regulated.

US. California Proposition 65
Not Listed.

International Inventories

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

*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, including date of preparation or last revision

Issue date                     25-February-2014
Revision date                  28-January-2015
Version #                      02

NFPA ratings

References
HSDB® - Hazardous Substances Data Bank
Registry of Toxic Effects of Chemical Substances (RTECS)

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