SAFETY DATA SHEET

1. Identification

Product identifier: LATICRETE® NXT™ Vapor Reduction Coating 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:
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

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 statements

Prevention: Wear protective gloves and eye/face protection. Avoid breathing mist or vapour. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment.

Response: IF ON SKIN: Wash with plenty of soap and 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. Collect spillage.

Storage: Store away from incompatible materials.

Disposal: Dispose of contents/container in accordance with local/regional/national/international regulations.

Other hazards: Not classified.

Supplemental information: None.
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>Bisphenol F epoxy resin</td>
<td>9003-36-5</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

Suitable extinguishing media
Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).

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.

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 vapour. 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).

Exposure guidelines: No exposure standards allocated.

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.
- **Colour:** Yellow.
- **Odour:** Mild.
- **Odour threshold:** Not available.
- **pH:** Not available.
- **Melting point/freezing point:** Not applicable.
- **Initial boiling point and boiling range:** Not applicable.
- **Flash point:** > 177.0 °C (> 350.6 °F)
- **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.

**Vapour pressure:** 0.06 mm Hg (21 °C)
**Vapour 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
  Bulk density  1.13

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 oxidising 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.

Components  Species  Test results

<table>
<thead>
<tr>
<th>Bisphenol F epoxy resin (CAS 9003-36-5)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Acute</strong></td>
</tr>
<tr>
<td>Dermal</td>
</tr>
<tr>
<td>LD50</td>
</tr>
<tr>
<td>Oral</td>
</tr>
<tr>
<td>LD50</td>
</tr>
</tbody>
</table>

Skin corrosion/irritation  Causes skin irritation.

Serious eye damage/eye irritation  Causes serious eye irritation.

Respiratory or skin sensitisation

- Respiratory sensitisation  No data available.
- Skin sensitisation  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.

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.
<table>
<thead>
<tr>
<th>Components</th>
<th>Species</th>
<th>Test results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bisphenol F epoxy resin (CAS 9003-36-5)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Aquatic</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Acute</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fish</td>
<td>LC50</td>
<td>Leuciscus idus, 5.7 mg/l, 96 hours</td>
</tr>
<tr>
<td>Propane, 2,2-bis[p-(2,3-epoxypropoxy)phenyl]-, polymers (CAS 25085-99-8)</td>
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<td></td>
</tr>
<tr>
<td><strong>Aquatic</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Acute</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Algae</td>
<td>IC50</td>
<td>Algae, 11 mg/l, 72 hours</td>
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<tr>
<td>Crustacea</td>
<td>EC50</td>
<td>Daphnia, 1.8 mg/l, 48 hours</td>
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<tr>
<td>Fish</td>
<td>LC50</td>
<td>Fish, 1 - 10 mg/l</td>
</tr>
<tr>
<td>Persistence and degradability</td>
<td>No data is available on the degradability of this product.</td>
<td></td>
</tr>
<tr>
<td>Bioaccumulative potential</td>
<td>No data available for this product.</td>
<td></td>
</tr>
<tr>
<td>Mobility in soil</td>
<td>Not available.</td>
<td></td>
</tr>
<tr>
<td>Other adverse effects</td>
<td>No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.</td>
<td></td>
</tr>
</tbody>
</table>

### 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.

**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

**TDG**

<table>
<thead>
<tr>
<th>UN number</th>
<th>UN3082</th>
</tr>
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<tbody>
<tr>
<td>UN proper shipping name</td>
<td>Environmentally hazardous substance, liquid, n.o.s. (Propane, 2,2-bis[p-(2,3-epoxypropoxy)phenyl]-, polymers, Bisphenol F epoxy resin)</td>
</tr>
<tr>
<td>Transport hazard class(es)</td>
<td></td>
</tr>
<tr>
<td>Class</td>
<td>9</td>
</tr>
<tr>
<td>Subsidiary risk</td>
<td>-</td>
</tr>
<tr>
<td>Packing group</td>
<td>III</td>
</tr>
<tr>
<td>Environmental hazards</td>
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</table>

**IATA**

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<tr>
<td>Label(s)</td>
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<tr>
<td>Packing group</td>
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<tr>
<td>Environmental hazards</td>
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<tr>
<td>ERG Code</td>
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</tbody>
</table>

**Special precautions for user**

Read safety instructions, SDS and emergency procedures before handling.

**IMDG**

<table>
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<td>Packing group</td>
<td>III</td>
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<tr>
<td>Environmental hazards</td>
<td>Yes</td>
</tr>
<tr>
<td>ERG Code</td>
<td>9L</td>
</tr>
</tbody>
</table>

**Special precautions for user**

Read safety instructions, SDS and emergency procedures before handling.
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

Canadian regulations

This product has been classified in accordance with the hazard criteria of the HPR and the SDS contains all the information required by the HPR.

- Controlled Drugs and Substances Act
  - Not regulated.
- Export Control List (CEPA 1999, Schedule 3)
  - Not listed.
- Greenhouse Gases
  - Not listed.
- Precursor Control Regulations
  - Not regulated.

International regulations

- Stockholm Convention
  - Not applicable.
- Rotterdam Convention
  - Not applicable.
- Kyoto protocol
  - Not applicable.
- Montreal Protocol
  - Not applicable.
- Basel Convention
  - Not applicable.

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>
<td>No</td>
</tr>
<tr>
<td>China</td>
<td>Inventory of Existing Chemical Substances in China (IECSC)</td>
<td>Yes</td>
</tr>
<tr>
<td>Europe</td>
<td>European Inventory of Existing Commercial Chemical Substances (EINECS)</td>
<td>Yes</td>
</tr>
<tr>
<td>Europe</td>
<td>European List of Notified Chemical Substances (ELINCS)</td>
<td>No</td>
</tr>
<tr>
<td>Japan</td>
<td>Inventory of Existing and New Chemical Substances (ENCS)</td>
<td>No</td>
</tr>
<tr>
<td>Korea</td>
<td>Existing Chemicals List (ECL)</td>
<td>Yes</td>
</tr>
<tr>
<td>New Zealand</td>
<td>New Zealand Inventory</td>
<td>Yes</td>
</tr>
<tr>
<td>Philippines</td>
<td>Philippine Inventory of Chemicals and Chemical Substances (PICCS)</td>
<td>Yes</td>
</tr>
<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

Issue date: 21-June-2017
Revision date: -
Version No.: 01

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

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