1. Identification

Product identifier: Spartacote WB Epoxy Primer Part B
Other means of identification: None.
Recommended use: Primer.
Recommended restrictions: None known.

Manufacturer/ Importer/ Supplier/ Distributor information

Company: LATICRETE MIDDLE EAST LLC
Address: P.O. Box. 86028, Ras Al Khaimah, United Arab Emirates
Telephone: +971 7 244 6396
Contact person: Mohmed Rafiq. M
Website: www.laticrete.com www.laticrete.me

2. Hazard(s) identification

Physical hazards: Flammable liquids, Category 3
Health hazards: Sensitization, skin, Category 1
Reproductive toxicity, Category 1
OSHA defined hazards: Not classified.

Label elements

Signal word: Danger
Hazard statement: Flammable liquid and vapor. May cause an allergic skin reaction. May damage fertility or the unborn child.

Precautionary statement

Prevention: Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Avoid breathing vapors. Contaminated work clothing must not be allowed out of the workplace. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves/eye protection/face protection.

Response: In case of fire: Use foam, carbon dioxide, dry powder or water fog for extinction. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation or rash occurs: Get medical advice/attention. IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower. Take off contaminated clothing and wash before reuse. If exposed or concerned: Get medical advice/attention.

Storage: Store in a well-ventilated place. Keep cool. Store locked up.
Disposal: Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazard(s) not otherwise classified (HNOC): 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>1-Methoxy-2-propanol</td>
<td>107-98-2</td>
<td>10 - 15</td>
</tr>
<tr>
<td>2-Methoxy-1-propanol</td>
<td>1589-47-5</td>
<td>&lt; 1</td>
</tr>
<tr>
<td>Diethylenetriamine</td>
<td>111-40-0</td>
<td>&lt; 1</td>
</tr>
<tr>
<td>Tetraethylene pentamine</td>
<td>112-57-2</td>
<td>&lt; 1</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: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if any discomfort continues.

Skin contact: Take off immediately all contaminated clothing. Wash contaminated clothing before reuse. If skin rash or an allergic skin reaction develops, get medical attention.

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.

Ingestion: Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Get medical attention if any discomfort continues.

Most important symptoms/effects, acute and delayed: Symptoms may include redness, drying and cracking of the skin.

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

General information: Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

5. Fire-fighting measures

Suitable extinguishing media: Extinguish with carbon dioxide, dry powder or water fog.

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

Specific hazards arising from the chemical: By heating and fire, irritating vapors/gases 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. Selection of respiratory protection for firefighting: follow the general fire precautions indicated in the workplace.

Fire fighting equipment/instructions: Move containers from fire area if you can do so without risk. Use water spray to cool unopened containers.

General fire hazards: The product is flammable.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures: Keep away from sources of ignition - No smoking. 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. 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.

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. Do not discharge into drains, water courses or onto the ground.
7. Handling and storage

Precautions for safe handling
Do not breathe mist or vapor. Do not get in eyes, on skin, on clothing. Persons susceptible for allergic reactions should not handle this product. Ground container and transfer equipment to eliminate static electric sparks, especially during transfer of material. Use non-sparking tools when opening or closing containers. Use with adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

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

8. Exposure controls/personal protection

Occupational exposure limits

US. ACGIH Threshold Limit Values

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-Methoxy-2-propanol (CAS 107-98-2)</td>
<td>STEL</td>
<td>100 ppm</td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>50 ppm</td>
</tr>
<tr>
<td>Diethylenetriamine (CAS 111-40-0)</td>
<td>TWA</td>
<td>1 ppm</td>
</tr>
</tbody>
</table>

US. NIOSH: Pocket Guide to Chemical Hazards

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-Methoxy-2-propanol (CAS 107-98-2)</td>
<td>STEL</td>
<td>540 mg/m3</td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>150 ppm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>360 mg/m3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>100 ppm</td>
</tr>
<tr>
<td>Diethylenetriamine (CAS 111-40-0)</td>
<td>TWA</td>
<td>4 mg/m3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1 ppm</td>
</tr>
</tbody>
</table>

US. Workplace Environmental Exposure Level (WEEL) Guides

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tetraethylene pentamine (CAS 112-57-2)</td>
<td>TWA</td>
<td>5 mg/m3</td>
<td>Aerosol.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1 ppm</td>
<td>Aerosol.</td>
</tr>
</tbody>
</table>

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

Exposure guidelines

US - California OELs: Skin designation
1-Methoxy-2-propanol (CAS 107-98-2) Can be absorbed through the skin.
Diethylenetriamine (CAS 111-40-0) Can be absorbed through the skin.

US - Minnesota Haz Subs: Skin designation applies
Diethylenetriamine (CAS 111-40-0) Skin designation applies.

US ACGIH Threshold Limit Values: Skin designation
Diethylenetriamine (CAS 111-40-0) Can be absorbed through the skin.

US WEEL Guides: Skin designation
Tetraethylene pentamine (CAS 112-57-2) Can be absorbed through the skin.

US. NIOSH: Pocket Guide to Chemical Hazards
Diethylenetriamine (CAS 111-40-0) Can be absorbed through the skin.

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.
Skin protection:
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: Amber.

Odor: Characteristic.
Odor threshold: Not available.

pH: Not available.

Melting point/freezing point: Not available.
Initial boiling point and boiling range:
- Initial boiling point: 212 °F (100 °C)
- Flash point: 95.0 °F (35.0 °C)

Evaporation rate: Not available.

Flammability (solid, gas): Not available.

Upper/lower flammability or explosive limits:
- Explosive limit - lower (%): 2.3%
- Explosive limit - upper (%): 20%

Vapor pressure: 23 hPa
Vapor density: Not available.
Relative density: 1.006 g/cm³ (20°C/68°F)

Solubility(ies):
- Solubility (water): Miscible.

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

Auto-ignition temperature: Product is not selfigniting.
Decomposition temperature: Not available.

Viscosity: Not available.

Other information:
- Explosive properties: Not explosive. May form explosive mixtures with air.
- Oxidizing properties: Not oxidizing.

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: Will not occur.
Conditions to avoid: Contact with incompatible materials.
Incompatible materials: Strong oxidizing agents. Strong acids.

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

11. Toxicological information

Information on likely routes of exposure:
- Inhalation: In high concentrations, vapors may irritate throat and respiratory system and cause coughing.
- Skin contact: May cause skin irritation.
Eye contact  May cause eye irritation.
Ingestion  Ingestion may cause irritation and malaise.
Symptoms related to the physical, chemical and toxicological characteristics Symptoms may include redness, drying and cracking of the skin.

Information on toxicological effects

Acute toxicity  May cause discomfort if swallowed.

<table>
<thead>
<tr>
<th>Components</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-Methoxy-2-propanol (CAS 107-98-2)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Acute</td>
<td>Dermal</td>
<td></td>
</tr>
<tr>
<td>LD50</td>
<td>Rat</td>
<td>&gt; 2000 mg/kg</td>
</tr>
<tr>
<td>Oral</td>
<td>Rat</td>
<td>3739 mg/kg</td>
</tr>
<tr>
<td>Diethylenetriamine (CAS 111-40-0)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Acute</td>
<td>Dermal</td>
<td></td>
</tr>
<tr>
<td>LD50</td>
<td>Rabbit</td>
<td>550 mg/kg</td>
</tr>
<tr>
<td>Oral</td>
<td>Rat</td>
<td>2800 mg/kg</td>
</tr>
<tr>
<td>Tetraethylene pentamine (CAS 112-57-2)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Acute</td>
<td>Dermal</td>
<td></td>
</tr>
<tr>
<td>LD50</td>
<td>Rabbit</td>
<td>0.66 g/kg</td>
</tr>
<tr>
<td>Oral</td>
<td>Rat</td>
<td>2.1 g/kg</td>
</tr>
</tbody>
</table>

Skin corrosion/irritation  May cause skin irritation.
Serious eye damage/eye irritation  May cause eye irritation.

Respiratory or skin sensitization
Respiratory sensitization  No data available.
Skin sensitization  May cause an allergic skin reaction.
Germ cell mutagenicity  No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Carcinogenicity  Not classified.
IARC Monographs. Overall Evaluation of Carcinogenicity  Not listed.
NTP Report on Carcinogens  Not listed.

Reproductive toxicity  May damage fertility or the unborn child.
Specific target organ toxicity - single exposure  Not classified.
Specific target organ toxicity - repeated exposure  No data available.
Aspiration hazard  Not classified.
Chronic effects  Prolonged or repeated contact may dry skin and cause irritation.

12. Ecological information
Ecotoxicity  No ecotoxicity data noted for the ingredient(s).
Persistence and degradability  No data available.
Bioaccumulative potential  No data available on bioaccumulation.
Partition coefficient n-octanol / water (log Kow)
Tetraethylene pentamine (CAS 112-57-2)  
1.503

Mobility in soil  
No data available.

Mobility in general  
This product is miscible in water.

Other adverse effects  
The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

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  
D001: Waste Flammable material with a flash point <140 °F

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  
UN1993

UN proper shipping name  
Flammable liquids, n.o.s. (Concrete primer)

Transport hazard class(es)  
Class 3

Subsidiary risk -

Label(s) 3

Packing group III

Environmental hazards  
Marine pollutant No

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

Special provisions  
B1, B52, IB3, T4, TP1, TP29

Packaging exceptions  
150

Packaging non bulk  
203

Packaging bulk  
242

IATA

UN number  
UN1993

UN proper shipping name  
Flammable liquid, n.o.s. (Concrete primer)

Transport hazard class(es)  
Class 3

Subsidiary risk -

Label(s) 3

Packing group III

Environmental hazards  
No

ERG Code  
B1, B52, IB3, T4, TP1, TP29

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

IMDG

UN number  
UN1993

UN proper shipping name  
FLAMMABLE LIQUID, N.O.S. (Concrete primer)

Transport hazard class(es)  
Class 3

Subsidiary risk -

Label(s) 3

Packing group III

Environmental hazards  
Marine pollutant No

EmS F-E, S-E

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

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.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)
Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)
1-Methoxy-2-propanol (CAS 107-98-2) LISTED

Superfund Amendments and Reauthorization Act of 1986 (SARA)
Hazard categories
Immediate Hazard - Yes
Delayed Hazard - Yes
Fire Hazard - Yes
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
This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

US. Massachusetts RTK - Substance List
1-Methoxy-2-propanol (CAS 107-98-2)
Diethylenetriamine (CAS 111-40-0)
Tetraethylene pentamine (CAS 112-57-2)

US. New Jersey Worker and Community Right-to-Know Act
1-Methoxy-2-propanol (CAS 107-98-2)
Diethylenetriamine (CAS 111-40-0)
Tetraethylene pentamine (CAS 112-57-2)

US. Pennsylvania Worker and Community Right-to-Know Law
1-Methoxy-2-propanol (CAS 107-98-2)
Diethylenetriamine (CAS 111-40-0)
Tetraethylene pentamine (CAS 112-57-2)

US. Rhode Island RTK
Not regulated.

US. California Proposition 65
Not Listed.

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
Country(s) or region | Inventory name                                                                 | On inventory (yes/no)*
--- | --- | ---
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
Japan     | Inventory of Existing and New Chemical Substances (ENCS) | Yes
Korea     | Existing Chemicals List (ECL) | Yes
New Zealand | New Zealand Inventory | Yes
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, including date of preparation or last revision

Issue date | 12-October-2015
Revision date | -
Version # | 01

NFPA ratings

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

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