SAFETY DATA SHEET

1. Identification

Product identifier
LATICRETE HYDRO BAN

Other means of identification
Not available.

Recommended use
Waterproofing Membrane.

Recommended restrictions
None known.

MANUFACTURER’S NAME
LATICRETE MIDDLE EAST LLC.
P.O. Box. 86028, Ras Al Khaimah, United Arab Emirates

Phone number for additional information: +971 7 244 6396

Date prepared or revised: 26-04-2017

2. Hazard(s) identification

Physical hazards
Not classified.

Health hazards
Not classified.

Environmental hazards
Hazardous to the aquatic environment, Category 3, long-term hazard

OSHA defined hazards
Not classified.

Label elements
Hazard symbol
None.

Signal word
None.

Hazard statement
Harmful to aquatic life with long lasting effects.

Precautionary statement
Prevention
Observe good industrial hygiene practices. Avoid release to the environment.

Response
No specific first aid measures noted.

Storage
Store away from incompatible materials.

Disposal
Dispose of waste and residues in accordance with local authority requirements.

Hazard(s) not otherwise classified (HNOC)
Not classified.

3. Composition/information on ingredients

Mixtures

<table>
<thead>
<tr>
<th>Chemical Composition</th>
<th>WT %</th>
<th>CAS No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zink oxide</td>
<td>1-3</td>
<td>1314-13-2</td>
</tr>
<tr>
<td>Titanium dioxide</td>
<td>0.1 - 2</td>
<td>13463-67-7</td>
</tr>
<tr>
<td>SB latex</td>
<td>55 - 68</td>
<td>70857-13-5</td>
</tr>
<tr>
<td>Limestone</td>
<td>28 - 35</td>
<td>16389-88-1</td>
</tr>
<tr>
<td>Ethylene glycol</td>
<td>0.1 - 2</td>
<td>107-21-1</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
Wash skin with soap and water. Get medical attention if symptoms occur.

Eye contact
Flush eyes thoroughly with water for at least 15 minutes. Get medical attention if symptoms persist.

Ingestion
Rinse mouth. Do not induce vomiting. Get medical attention if any discomfort continues.
Most important symptoms/effects, acute and delayed

Indication of immediate medical attention and special treatment needed

General information

Symptoms include redness, itching and pain.

Treat symptomatically.

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

5. Fire-fighting measures

Suitable extinguishing media

- Alcohol resistant foam.
- Water fog.
- Dry chemical powder.
- Carbon dioxide (CO2).

Unsuitable extinguishing media

Specific hazards arising from the chemical

Special protective equipment and precautions for firefighters

Fire-fighting equipment/instructions

Do not use water jet as an extinguisher, as this will spread the fire. During fire, gases hazardous to health may be formed.

Self-contained breathing apparatus and full protective clothing must be worn in case of 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.

General fire hazards

No unusual fire or explosion hazards noted.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Methods and materials for containment and cleaning up

Wear appropriate protective equipment and clothing during clean-up. 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.

Never return spills in original containers for re-use. For waste disposal, see Section 13 of the SDS.

Environmental precautions

Environmental manager must be informed of all major releases.

7. Handling and storage

Precautions for safe handling

Conditions for safe storage, including any incompatibilities

Do not breathe mist or vapor. Do not get in eyes, on skin, on clothing. 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/personal protection

Occupational exposure limits

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>Titanium dioxide (CAS 13463-67-7)</td>
<td>PEL</td>
<td>15 mg/m³</td>
<td>Total dust.</td>
</tr>
<tr>
<td>Zinc oxide (CAS 1314-13-2)</td>
<td>PEL</td>
<td>5 mg/m³</td>
<td>Respirable fraction.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>5 mg/m³</td>
<td>Fume.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>15 mg/m³</td>
<td>Total dust.</td>
</tr>
</tbody>
</table>

US. ACGIH Threshold Limit Values

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>Titanium dioxide (CAS 13463-67-7)</td>
<td>TWA</td>
<td>10 mg/m³</td>
<td>Respirable fraction.</td>
</tr>
<tr>
<td>Zinc oxide (CAS 1314-13-2)</td>
<td>STEL</td>
<td>10 mg/m³</td>
<td>Respirable fraction.</td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>2 mg/m³</td>
<td>Respirable fraction.</td>
</tr>
</tbody>
</table>

US. NIOSH: Pocket Guide to Chemical Hazards
### Components

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zinc oxide (CAS 1314-13-2)</td>
<td>Ceiling</td>
<td>15 mg/m³</td>
<td>Dust.</td>
</tr>
<tr>
<td></td>
<td>STEL</td>
<td>10 mg/m³</td>
<td>Fume.</td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>5 mg/m³</td>
<td>Dust.</td>
</tr>
</tbody>
</table>

**US. NIOSH: Pocket Guide to Chemical Hazards**

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biological limit values</td>
<td></td>
<td>5 mg/m³</td>
<td>Fume.</td>
</tr>
</tbody>
</table>

Appropriate engineering controls

**Individual protection measures, such as personal protective equipment**

- **Eye/face protection**
  - Risk of contact: Wear protective gloves and goggles/face shield.

- **Skin protection**
  - Wear appropriate chemical resistant gloves.

- **Hand protection**
  - 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**
  - Olive green liquid.

- **Physical state**
  - Liquid.

- **Form**
  - Liquid.

- **Color**
  - Olive green.

- **Odor**
  - Styrene butadiene rubber.

- **Odor threshold**
  - Not available.

- **pH**
  - 8 - 9

- **Melting point/freezing point**
  - 32 °F (0 °C)

- **Initial boiling point and boiling range**
  - 212 °F (100 °C)

- **Flash point**
  - Not available.

- **Evaporation rate**
  - Not available.

- **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**
  - Not available.

- **Vapor density**
  - Not available.

- **Relative density**
  - 1.34

- **Solubility(ies)**
  - **Solubility (water)**
    - Soluble in water.

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

- **Auto-ignition temperature**
  - Not available.

- **Decomposition temperature**
  - Not available.

- **Viscosity**
  - Not available.
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
No dangerous reaction known under conditions of normal use.

Conditions to avoid
Heat, flames and sparks.

Incompatible materials
Oxidizing agents.

Hazardous decomposition products
Carbon dioxide (CO2). Carbon monoxide.

11. Toxicological information

Information on likely routes of exposure

Ingestion
May cause discomfort if swallowed.

Inhalation
In high concentrations, vapors may be irritating to the respiratory system.

Skin contact
May cause skin irritation.

Eye contact
May cause eye irritation.

Symptoms related to the physical, chemical and toxicological characteristics
Symptoms include redness, itching and pain.

Information on toxicological effects

Acute toxicity
May cause discomfort if swallowed.

Skin corrosion/irritation
May cause skin irritation on prolonged or repeated contact.

Serious eye damage/eye irritation
May cause eye irritation on direct contact.

Respiratory or skin sensitization

Respiratory sensitization
No data available.

Skin sensitization
Not a skin sensitizer.

Germ cell mutagenicity
No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Carcinogenicity
Inhalation of titanium dioxide dust may cause cancer, however due to the physical form of the product, inhalation of dust is not likely.

IARC Monographs. Overall Evaluation of Carcinogenicity
Titanium dioxide (CAS 13463-67-7) 2B Possibly carcinogenic to humans.

Reproductive toxicity
No data available.

Specific target organ toxicity - single exposure
No data available.

Specific target organ toxicity - repeated exposure
No data available.

Aspiration hazard
Not classified.

Chronic effects
No data available.

12. Ecological information

Ecotoxicity
Harmful 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>Zinc oxide (CAS 1314-13-2)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aquatic</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Crustacea</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LC50</td>
<td>Water flea (Daphnia magna)</td>
<td>0.098 mg/l, 48 Hours</td>
</tr>
</tbody>
</table>

Persistence and degradability
No data is available on the degradability of this product.

Bioaccumulative potential
No data available for this product.

Mobility in soil
The product is soluble in water.

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

**Local disposal regulations**
Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied cylinders may retain product residue, follow label warnings even after cylinder is emptied.

**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.

**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**
Not regulated as dangerous goods.

**IATA**
Not regulated as dangerous goods.

**IMDG**
Not regulated as dangerous goods.

**Transport in bulk according to**
Not applicable. Annex II of MARPOL 73/78 and the IBC Code

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.

Not listed.

**CERCLA Hazardous Substance List (40 CFR 302.4)**
Zinc oxide (CAS 1314-13-2) LISTED

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

**Hazard categories**
Immediate Hazard - No
Delayed Hazard - No
Fire Hazard - No
Pressure Hazard - No
Reactivity Hazard - No

**SARA 302 Extremely hazardous substance**
Not listed.

**SARA 311/312 Hazardous chemical**
Not listed.

**SARA 313 (TRI reporting)**

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS number</th>
<th>% by wt.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zinc oxide</td>
<td>1314-13-2</td>
<td>1 - 2</td>
</tr>
<tr>
<td>Ethylene glycol</td>
<td>107-21-1</td>
<td>&lt; 1</td>
</tr>
</tbody>
</table>

**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**
WARNING: This product contains a chemical known to the State of California to cause cancer.

**US. Massachusetts RTK - Substance List**
Titanium dioxide (CAS 13463-67-7)
Zinc oxide (CAS 1314-13-2)

**US. New Jersey Worker and Community Right-to-Know Act**
Titanium dioxide (CAS 13463-67-7)
Zinc oxide (CAS 1314-13-2)

**US. Pennsylvania Worker and Community Right-to-Know Law**

LATICRETE HYDRO BAN 916971 Version #: 03 Revision date: 26-04-2017 | Prepared by : Rafiq M
Titanium dioxide (CAS 13463-67-7)
Zinc oxide (CAS 1314-13-2)

**US. Rhode Island RTK**
Zinc oxide (CAS 1314-13-2)

**US. California Proposition 65**
WARNING: This product contains a chemical known to the State of California to cause cancer.

**US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance**
Titanium dioxide (CAS 13463-67-7)

### 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>No</td>
</tr>
<tr>
<td>Canada</td>
<td>Non-Domestic Substances List (NDSL)</td>
<td>Yes</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 Toxic Substances Control Act (TSCA) Inventory</td>
<td>Yes</td>
<td></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**: 24-November-2013
- **Revision date**: 26-04-2017
- **Version #**: 02

### NFPA Ratings

![NFPA Rating](image)

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

### Disclaimer
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