



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 / Importer / Supplier / Distributor information
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

| Chemical Composition | WT % | CAS No |
|----------------------|---------|------------|
| Zink oxide | 1-3 | 1314-13-2 |
| Titanium dioxide | 0.1 - 2 | 13463-67-7 |
| SB latex | 55 - 68 | 70857-13-5 |
| Limestone | 28 - 35 | 16389-88-1 |
| Ethykene glycol | 0.1 - 2 | 107-21-1 |

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 | Symptoms include redness, itching and pain. |
| Indication of immediate medical attention and special treatment needed | 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 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 Wear appropriate protective equipment and clothing during clean-up. 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 manager must be informed of all major releases.

Environmental precautions

7. Handling and storage

Precautions for safe handling 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.

Conditions for safe storage, including any incompatibilities 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)

| Components | Type | Value | Form |
|-----------------------------------|------|----------|----------------------|
| Titanium dioxide (CAS 13463-67-7) | PEL | 15 mg/m3 | Total dust. |
| Zinc oxide (CAS 1314-13-2) | PEL | 5 mg/m3 | Respirable fraction. |
| | | 5 mg/m3 | Fume. |
| | | 15 mg/m3 | Total dust. |

US. ACGIH Threshold Limit Values

| Components | Type | Value | Form |
|-----------------------------------|------|----------|----------------------|
| Titanium dioxide (CAS 13463-67-7) | TWA | 10 mg/m3 | |
| Zinc oxide (CAS 1314-13-2) | STEL | 10 mg/m3 | Respirable fraction. |
| | TWA | 2 mg/m3 | Respirable fraction. |

US. NIOSH: Pocket Guide to Chemical Hazards

| Components | Type | Value | Form |
|----------------------------|---------|----------|-------|
| Zinc oxide (CAS 1314-13-2) | Ceiling | 15 mg/m3 | Dust. |
| | STEL | 10 mg/m3 | Fume. |
| | TWA | 5 mg/m3 | Dust. |

US. NIOSH: Pocket Guide to Chemical Hazards

| Components | Type | Value | Form |
|------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-------|
| | | 5 mg/m3 | Fume. |
| Biological limit values | No biological exposure limits noted for the ingredient(s). | | |
| Appropriate engineering controls | Provide adequate ventilation and minimize the risk of inhalation of vapors. | | |
| Individual protection measures, such as personal protective equipment | | | |
| Eye/face protection | Risk of contact: Wear protective gloves and goggles/face shield. | | |
| 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 | 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 (CO ₂). 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.

| Components | Species | Test Results |
|----------------------------|---------------------------------|----------------------|
| Zinc oxide (CAS 1314-13-2) | | |
| Aquatic | | |
| Crustacea | LC50 Water flea (Daphnia magna) | 0.098 mg/l, 48 Hours |

| | |
|--------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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 the IBC Code 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.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

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 No

SARA 313 (TRI reporting)

| Chemical name | CAS number | % by wt. |
|-----------------|------------|----------|
| Zinc oxide | 1314-13-2 | 1 - 2 |
| Ethylene glycol | 107-21-1 | < 1 |

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

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

| Country(s) or region | Inventory name | On inventory (yes/no)* |
|-----------------------------|------------------------------------------------------------------------|------------------------|
| Australia | Australian Inventory of Chemical Substances (AICS) | Yes |
| Canada | Domestic Substances List (DSL) | No |
| Canada | Non-Domestic Substances List (NDSL) | Yes |
| 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) | No |
| 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).

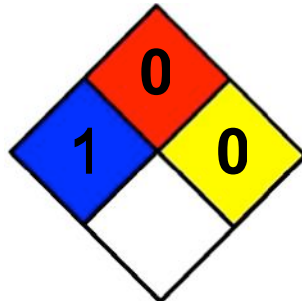
16. Other information, including date of preparation or last revision

Issue date 24-November-2013

Revision date 26-04-2017

Version # 02

NFPA Ratings



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

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