Section 1: Chemical Product and Company Identification

Material Identification: HALTEX®, Alumina Trihydrate

Grades: 300, 302, 304, 306, 310, 315, 330, 330C

Formula: Al (OH)₃, Aluminum Trihydrate

Company Identification: TOR Minerals International Inc.
722 Burleson Street
Corpus Christi, TX 78402

Emergency Phone Numbers: Phone: (361) 883-5591
Fax: (361) 883-7619

Date Prepared: May 2014

Section 2: Composition, Information or Ingredients

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS Number</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aluminum Trihydrate</td>
<td>21645-51-2</td>
<td>≥ 99.5</td>
</tr>
</tbody>
</table>

Materials do not contain toxic chemicals under section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR parts 372.

Section 3: Hazard identification

Potential Health Effects:

- Eye contact may cause eye irritation with tearing, pain or blurred vision.

Carcinogenicity Information:

This product is not listed as a carcinogen by the IARC, NTP, OSHA, and ACGIH.
Section 4: First Aid Measures

Inhalation: If inhaled remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call physician.

Skin Contact: The compound is not likely to be hazardous by skin contact but cleaning skin after use is advisable.

Eye Contact: In case of contact, immediately flush eye with plenty of water for at least 15 minutes. Consult a physician.

Ingestion: Consult a physician if a large quantity is ingested.

Section 5: Fire Fighting Measures

Flammable Properties: Will not burn or support combustion.

Extinguishing Media: As appropriate for surrounding combustibles.

Fire Fighting Instructions: None

Section 6: Accidental Release Measures

Safeguard (personnel)

Note: Review Fire Fighting Measures and handling (personnel) section before proceeding with clean-up. Use appropriate Personal Protective Equipment during clean-up. Refer to Personal Protective Equipment Section for choice of PPE

Accidental Release Measures

For dry product, shovel into a covered container for disposal. Flush residue to wastewater treatment system.

Section 7: Handling and Storage

Handling (personal)

Avoid breathing dust. Please remember to use good industrial hygienic practices.

Storage

All alumina trihydrate grades are packaged in paper or plastic bags should not be stacked more than three pallets high. Protect containers from damage.

Section 8: Exposure Controls and Personal Protection

Engineering Controls: Good general ventilation should be provided to keep dust concentration below exposure limits.

Personal Protective Equipment: If the potential exist for exposure limits to be exceeded for dust or dried-down product, a NIOSH approved air purifying respirator with appropriate particulate filter (Type 100) should be used.

Exposures Guidelines:

Applicable Exposures Limits:

<table>
<thead>
<tr>
<th>Substance</th>
<th>PEL (OSHA)</th>
<th>TLV (ACGIH)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alumina Trihydrate</td>
<td>10 mg/m³,</td>
<td>10 mg/m³,</td>
</tr>
<tr>
<td></td>
<td>total dust, 8 Hr. TWA</td>
<td>total dust, 8 Hr. TWA A4</td>
</tr>
</tbody>
</table>
Section 9: Physical and Chemical Properties

Physical Data
- Boiling Point: N/A
- Vapor Pressure: N/A
- Vapor Density: N/A
- Melting Point: About 2015 °C
- Evaporation Rate: Not Volatile
- Solubility in Water: Insoluble
- pH: 6-8
- Specific Gravity: 2.4
- Color and odor: Fine white powder with no odor

Section 10: Stability and Reactivity

- Chemical Stability: Stable & inert
- Incompatibility with other Chemicals: Not reasonably foreseeable
- Decomposition: Decomposition will not occur
- Polymerization: Polymerization will not occur

Section 11: Toxicological Information

- Acute Toxicity: No information available
- Chronic Toxicity: No evidence of mutagenic, reproductive, or carcinogenic effects
- Sensitization: Does not cause sensitization

Section 12: Ecological Information

None known; product is non-biodegradable.

Section 13: Disposal Consideration

Waste Disposal: Comply with Federal, State, and local regulation. If approved, remove to land disposal area.
Section 14: Transportation Information
Shipping Information  Not regulated as a hazardous materials by DOT, IMO, or IATA
Shipping  Tank Cars, Tank Trucks, Flexible Intermediate Bulk Containers, Tote Bins, Bags

Section 15: Regulatory Information
Harmonized Tariff Code ...... 2818 3000
TSCA Inventory Status ...... Listed
Canada DSL/NDSL .............. Listed
Europe EINECS ................. Listed
Proposition 65 .................. This product contains no chemicals known to the State of California to cause cancer or reproductive hazards.

Alumina Trihydrate is not subjected to reporting requirements under section 313

Lists:
- Extremely Hazardous Substance ....... No
- CERCLA Hazardous Substance....... No
- Toxic Chemical ...................... No

Section 16: Other Information
NPCA-HMIS Rating
Health .................................................. 1
Flammability ................................. 0
Reactivity ................................. 0
Personal Protection ....................... E