CAS NUMBER: 21645-51-2
CHEMICAL NAME: Aluminum Hydroxide, Alumina Trihydrate, Hydrated Alumina
CHEMICAL FORMULA: Al(OH)₃
DESCRIPTION: Coarse, off-white, hydrated alumina (damp filter cake)
APPLICATION: Used extensively in the production of aluminum chemicals, such as alum, sodium aluminate, aluminum chloride/chlorohydrates, zeolites, alumina-based catalysts, and fire retardants.

CHEMICAL AND PHYSICAL PROPERTIES:

<table>
<thead>
<tr>
<th>Chemical Analysis (dry basis – unless noted)</th>
<th>Typical Properties</th>
<th>Product Specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Al₂O₃, wt/wt %</td>
<td>64.5 – 65.0</td>
<td>64.0 min to 65.5 max</td>
</tr>
<tr>
<td>SiO₂, wt/wt %</td>
<td>0.006 – 0.015</td>
<td>0.030 max</td>
</tr>
<tr>
<td>Fe₂O₃, wt/wt %</td>
<td>0.008 – 0.013</td>
<td>0.030 max</td>
</tr>
<tr>
<td>Na₂O, wt/wt %</td>
<td>0.24 – 0.30</td>
<td>0.40 max</td>
</tr>
<tr>
<td>Moisture, % @ 105 °C, neat basis</td>
<td>3.00 – 5.00</td>
<td>7.00 max</td>
</tr>
<tr>
<td>TiO₂, wt/wt %</td>
<td>0.002 – 0.003</td>
<td>0.010 max</td>
</tr>
<tr>
<td>Acid Insoluble, wt/wt %</td>
<td>0.10 – 0.15</td>
<td>0.30 max</td>
</tr>
</tbody>
</table>

Physical Properties

Loose Bulk Density (lb/ft³), neat basis 60 – 70
Particle Size (cumulative)

+100 mesh, % 10 – 20 25 max
-325 max, % < 5 12 max

(over)
PACKAGING: Barge, rail car, and rear dump trailer

HANDLING & STORAGE: Store in a cool, dry building with concrete floors. Transfer by wheeled loaders and inclined belt conveyor systems typical for conveying. Avoid situations where strong drafts may suspend material.

Materials of Construction: Carbon steel; stainless steel

Storage Temperature: Ambient

SAFETY: Good ventilation should be provided to keep dust concentration below the exposure limit. Eye contact is prevented through the use of safety glasses and/or chemical goggles. **Do not use this product until the SDS has been read, understood, and required safety precautions are followed.**

SHIPPING POINTS: Lake Charles, LA; Houston, TX; Baton Rouge, LA; Chickasaw, AL; West Point, MS; and Calhoun, TN

DOT MARKINGS: Alumina Trihydrate, Wet Filter Cake, Non-Hazardous, Placarded Non-Hazardous

SALES OFFICE
For Product Information: Post Office Drawer 1217
TEL: 662-494-3055 West Point, MS 39773
FAX: 662-494-2828

To Place an Order: TEL: 800-953-3585
FAX: 800-953-3588

IMPORTANT
The information on this Product Bulletin is believed to be accurate but is not warranted to be so. Protective equipment, health effects, and other related safety measures are based on intended and anticipated product use. Recipients are advised to confirm in advance of need that the information is applicable and suitable to their circumstances.