**NAXAN® PLUS AAL**  
**Product Data Sheet**

**ALKYL NAPHTHALENE SULFONATE, SODIUM SALT**

**Description:** The NAXAN®PLUS anionic surfactants are a series of sodium salts of alkyl naphthalene sulfonic acid. These products provide excellent wetting, dispersing, hydrotrropic and medium to low foaming. They offer acid and base stability, hard-water tolerance and high temperature stability. The NAXAF® naphthalene sulfonate–formaldehyde condensates are used primarily as dispersants in a wide variety of industrial applications.

NAXAN®PLUS AAL exhibits good wetting, hydrotrropic and moderate foam. The product is darker in color than NAXAN®PLUS ABL and is designed for use in industrial applications where color is not crucial to the end product. This series now meets the requirements of OECD Test Method 301B and is classified as “Ultimately Biodegradable” as well as non toxic to aquatic life. This improvement allows formulation of biodegradable products based on the NAXAN®PLUS series of surface active hydrotrpotes. The NAXAN®PLUS series is listed on the Cleangredients Chemical listing and meet DfE criteria.

**Typical Properties:**
- Specific Gravity @ 25°C: 1.20
- Density: 10.08 lbs/gal
- Flash Point, °F (closed cup): > 250
- Boiling Point, °F: Approx. 212 (water)
- Solubility in Water: Completely Soluble
- Crystallization Temperature: 21°C/70°F

**Product Specifications:**

<table>
<thead>
<tr>
<th>Property</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Brown Liquid</td>
</tr>
<tr>
<td>Active, %</td>
<td>50.0 – 53.0</td>
</tr>
<tr>
<td>pH (as is)</td>
<td>7.5 – 10.2</td>
</tr>
<tr>
<td>Inorganic salt (%)</td>
<td>1.5 maximum</td>
</tr>
<tr>
<td>Unsulfonated Organics (%)</td>
<td>0.25 maximum</td>
</tr>
</tbody>
</table>

**Applications:** Industrial Cleaners

**Storage and Handling:** Store covered in a dry, well ventilated area. Keep container tightly closed when not in use. Prevent from freezing. This product will crystallize at 21°C (70°F) and may precipitate from solution during storage. Store material above 31°C (88°F).

**Availability:** Bulk, 550 pound drums

**Chemical Control Law Status:** This product is in compliance with the inventory listing requirements of the Chemical Control Laws in the following countries: United States of America, Canada (NDSL), Korea and China.

**Transport Regulations**

<table>
<thead>
<tr>
<th>Shipping Description</th>
<th>DOT Non-Regulated</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hazard Class: NA</td>
<td>ID Number: NA</td>
</tr>
<tr>
<td>Packing Group: NA</td>
<td>Label: None</td>
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</tbody>
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**Limited Warranty**

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