



# MATERIAL SAFETY DATA SHEET

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## SECTION 1 - PRODUCT INFORMATION

**PRODUCT NAME:** NAXAN®PLUS AAL  
**CHEMICAL NAME:** Alkylated naphthalene sulfonate, sodium salt  
**CAS NUMBER:** Trade Secret  
**PRODUCT CODE:** 44013  
**MSDS NO.:** 1-19143

**ISSUE DATE:** 12/15/09  
**SUPERSEDES:** 10/07/09

## SECTION 2 - HAZARD IDENTIFICATION

**Appearance & Odor:** Amber to brown liquid. Mild, faint aromatic odor.

**Primary Routes of Exposure:** Skin, eyes and respiratory tract.

**Health Hazard Warnings:** CAUTION! May cause slight eye and skin irritation. Prolonged or repeated overexposure to mists may cause respiratory tract irritation.

**Inhalation:** Prolonged or repeated overexposure to mists may cause upper respiratory irritation.

**Skin Contact:** Prolonged or repeated skin contact may cause slight skin irritation.

**Eye Contact:** Contact with eyes can cause slight irritation.

**Ingestion:** May cause gastrointestinal irritation in the form of nausea and vomiting.

## SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

<u>CHEMICAL NAME</u>	<u>CAS REGISTRY NO.</u>	<u>PERCENT by weight</u>
Alkylated naphthalene sulfonate, sodium salt	Trade secret	45 – 55
Proprietary surfactant	Trade secret	< 2
Water	7732-18-5	45 - 55

## SECTION 4 - FIRST AID MEASURES

**Eyes:** Immediately flush eyes with water for 10-15 minutes. Hold eyelids apart and roll eyes up and down to assure complete washing. Seek medical attention if irritation persists.

**Skin:** Thoroughly flush the affected area with plenty of water for at least 15 minutes. Remove contaminated clothing and equipment.

**Inhalation:** Immediately move the patient to fresh air and call a physician. If breathing is difficult, give oxygen. If not breathing, begin artificial respiration.

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## SECTION 4 - FIRST AID MEASURES (CONT.)

**Ingestion:** Call a physician. Never give anything by mouth to an unconscious person. Induce vomiting only at the instructions of a doctor or nurse.

**Other Specific Instructions:** In the event of exposure, seek medical attention immediately. Do not give chemical antidotes unless directed to do so by the physician.

## SECTION 5 - FIRE FIGHTING MEASURES

**Flash Point:** > 250 °F (closed cup)

**Auto Ignition:** No data available

**Explosive Limits; UEL/LEL:** No data available

**Extinguishing Agents:** Use water spray, dry chemical, carbon dioxide, or foam extinguishing agents.

**Fire & Explosion Hazards:** As in any fire prevent human exposure to fire, smoke, fumes or products of combustion. Firefighters should wear recommended exposure control equipment including a self-contained breathing apparatus. Cool containers with water that are exposed to flames.

**Hazardous Combustion Products:** Thermal decomposition produces oxides of sulfur and carbon.

## SECTION 6 - ACCIDENTAL RELEASE MEASURES

**Personal Protective Equipment:** Appropriate protective equipment must be worn when handling a spill of **NAXAN®PLUS AAL**. See Section 8 - Exposure Control, for recommendations.

**Spill or Leak Information:** Absorb the spill with an inert material (i.e. sand, soil, vermiculite). Sweep or scoop material into containers for disposal. Flush spill area with plenty of water. Collect water for proper disposal.

## SECTION 7 - HANDLING AND STORAGE

**Handling Conditions:** Emptied container may retain product residues. Follow all warnings and precautions even after container is emptied.

**Storage Conditions:** 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).

## SECTION 8 - EXPOSURE CONTROL

**Exposure Limits:** None established.

**Eye Protection:** Use chemical safety goggles.

**Skin Protection:** Skin contact with material should be minimized through the use of suitable impervious gloves. Natural rubber or neoprene gloves are recommended.

**Respiratory Protection:** Not required under normal use. If mists can be generated, wear a NIOSH approved air-purifying particulate respirator for the mist concentrations at the point of use.

**Ventilation:** Good general ventilation in addition to local exhaust ventilation should be provided.

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## SECTION 8 - EXPOSURE CONTROL (CONT.)

**Other Protective Equipment:** Safety showers and eye wash stations where material is being handled. Wash hands and face before eating, using tobacco products or using the washroom. Smoke or eat only in designated areas. Take a warm shower and change clothing daily. Clothing and shoes used while handling this material should not be worn or taken away from the workplace.

## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Amber to brown liquid

**Odor:** Mild, faintly aromatic

**Melting Point:** No data available

**Boiling Point:** Approximately 212 °F (water)

**Evaporation Rate (butyl acetate=1):** < 1

**pH:** 7.5 – 10.5

**Vapor Pressure (mm Hg):** Approximately that of water

**Vapor Density (Air=1):** No data available

**Specific Gravity/Density:** 1.15 -1.25 @ 78 °F

**Solubility in Water:** Completely soluble

**Flash Point:** > 250 °F (closed cup)

**Auto Ignition:** No data available

## SECTION 10 - STABILITY AND REACTIVITY

**Stability:** Stable under normal conditions of storage and handling.

**Incompatibility:** Avoid strong oxidizers and materials that are not compatible with water.

**Hazardous Reactions:** Not expected to occur.

**Decomposition:** When heated to decomposition, may emit highly toxic sulfur and carbon oxides.

## SECTION 11 - TOXICOLOGICAL INFORMATION

**Acute Data:** The information shown in Section 3 - Hazard Identification, is based on toxicity profiles of similar materials or on the components present in this material.

**Sensitization:** Alkylated naphthalene sulfonate, sodium salt is not known to cause sensitization.

**Carcinogenicity/Mutagenicity:** Alkylated naphthalene sulfonate, sodium salt is not considered to be a human or animal carcinogen.

**Teratogenicity/Reproductive Toxicity:** Alkylated naphthalene sulfonate, sodium salt is not known to cause teratogenicity or reproductive toxicity.

## SECTION 12 - ECOLOGICAL INFORMATION

**Ecotoxicological Data:** This product is considered ultimately biodegradable. Aquatic toxicity level of >100mg/L.

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## SECTION 13 - DISPOSAL CONSIDERATIONS

**Waste Disposal:** This product if discarded as supplied is considered non-hazardous as defined by RCRA. Dispose of in accordance with local, state and federal regulations.

## SECTION 14 - TRANSPORT CONSIDERATIONS

**Shipping Description:** DOT Non-Regulated

**Hazard Class:** NA

**ID No.:** NA

**PG:** NA

**Labels:** None

## SECTION 15 - REGULATORY CONSIDERATIONS

**OSHA Regulatory Status:** This product is a hazardous chemical under 29 CFR 1910.1200.

### SARA Title III

**Section 311/312:** This product is categorized as an immediate health hazard according to EPA under Section 311/312 of SARA.

**Section 313:** This product contains the following chemicals subject to 313 reporting:

None above De Minimis limit

### CERCLA:

Not applicable

### Pennsylvania Right-to-Know:

Sodium sulfate solution

7757-82-6

Environmental

### California Proposition 65:

Not applicable

**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, China.

**WHMIS:** Not applicable

**HMIS Health Rating:** 1

**HMIS Fire Rating:** 0

**HMIS Reactivity Rating:** 0

**HMIS Other:** NA

## SECTION 16 - OTHER CONSIDERATIONS

Prepared by Regulatory Staff Phone No.: (888) 762-7373

MSDS No.: 1-19143

Issue Date: 12/15/09

**Emergency Phone No.: CHEMTREC 800-424-9300**

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