



MATERIAL SAFETY DATA SHEET

Nease Corporation
10740 Paddys Run Road
Harrison, OH 45030
(513) 738-1255

Product Inquiries: (888) 762-7373

Emergency: CHEMTREC 800-424-9300

SECTION 1 - PRODUCT INFORMATION

PRODUCT NAME: NAXAN® AAL
CHEMICAL NAME: Alkylated naphthalene sulfonate, sodium salt
CAS NUMBER: Trade Secret
PRODUCT CODE: 4041
MSDS NO.: 1-19104

ISSUE DATE: 07/12/05
SUPERSEDES: 02/23/05

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® 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: The ecological toxicity of this product is not known. The material should be considered toxic to fish.

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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.: (814) 238-2424

MSDS No.: 1-19104

Issue Date: 07/12/05

Emergency Phone No.: CHEMTREC 800-424-9300

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