



# MATERIAL SAFETY DATA SHEET

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## SECTION 1 - PRODUCT INFORMATION

**PRODUCT NAME:** NAXAN® DIL  
**CHEMICAL NAME:** Sodium diisopropylnaphthalenesulfonate  
**CAS NUMBER:** Mixture  
**PRODUCT CODE:** 4693  
**MSDS NO.:** 1-19111

**ISSUE DATE:** 07/13/05  
**SUPERSEDES:** 12/04/03

## SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

<u>CHEMICAL NAME</u>	<u>CAS REGISTRY NO</u>	<u>PERCENT</u>	<u>EXPOSURE LIMITS</u>
Sodium diisopropylnaphthalenesulfonate	Proprietary	35 - 45	None established
Diisopropylnaphthalene	38640-62-9	< 2	None established
Water	7732-18-5	55 - 65	None established

## SECTION 3 - HAZARD IDENTIFICATION

**Appearance & Odor:** Clear to light yellow liquid; hydrocarbon odor.

**Primary Routes of Exposure:** Skin, Eyes and Respiratory tract.

**Health Hazard Warnings:** CAUTION. May cause slight eye and skin irritation. Overexposure to mists may cause upper respiratory tract irritation.

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

**Skin:** Remove contaminated clothing and equipment. Thoroughly flush the affected area with plenty of water for at least 15 minutes. Seek medical attention if irritation persists.

**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:** Give the patient 1-2 glasses of water (8-16 oz.) and call a physician. If swallowed, call a physician immediately. Induce vomiting only at the instruction of a doctor or nurse. Never give anything by mouth to an unconscious person.

**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:** > 200 °F

**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 and protective clothing. Cool containers that are exposed to flames with water spray.

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

## SECTION 6 - ACCIDENTAL RELEASE MEASURES

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

**Spill or Leak Information:** Absorb the spill with an inert material (vermiculite, sand, etc.). Sweep or scoop material into containers for disposal. Flush 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:** Keep container tightly closed when not in use. Store between 40 °F and 120 °F.

## SECTION 8 - EXPOSURE CONTROL

**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 the appropriate NIOSH approved air-purifying particulate respirator for the mist concentrations at the point of use.

**Ventilation:** Good 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:** Clear to yellow liquid

**Odor:** Hydrocarbon odor

**Melting Point:** No data available

**Boiling Point:** 212°F (water)

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

**pH:** No data available

**Vapor Pressure (mm Hg):** < 1

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

**Specific Gravity/Density:** 1.08 - 1.10

**Solubility in Water:** Soluble

## SECTION 10 - STABILITY AND REACTIVITY

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

**Incompatibility:** Avoid strong oxidizers.

**Polymerization:** Not expected to occur.

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

## 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.

Sodium diisopropylnaphthalenesulfonate

Oral LD<sub>50</sub> (rat): 1350 mg/kg

Dermal LD<sub>50</sub> (rabbit): 4200 mg/kg

**Sensitization:** Sodium diisopropylnaphthalenesulfonate is not known to cause sensitization.

**Carcinogenicity/Mutagenicity:** Sodium diisopropylnaphthalenesulfonate is not considered to be a human or animal carcinogen.

**Teratogenicity/Reproductive Toxicity:** Sodium diisopropylnaphthalenesulfonate is not known to cause teratogenicity or reproductive toxicity.

## SECTION 12 - ECOLOGICAL INFORMATION

**Ecotoxicological Data:** The ecological toxicity of this product is not known. This 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 in accordance with local, state, and federal regulations for waste disposal.

## SECTION 14 - TRANSPORT CONSIDERATIONS

**Shipping Description:** DOT Non-Regulated

**Hazard Class:** NA

**ID No.:** NA

**PG:** NA

**Labels:** NA

## 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:

Not applicable

### California Proposition 65:

Not applicable

### Chemical Control Law Status:

The components of this product are in compliance with the inventory listing requirements of the Chemical Control Laws in the following countries: United States of America, Canada, Europe, Japan, Australia, Korea, Philippines

**WHMIS Ingredient Disclosure List:** 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

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Issue Date: 7/13/05

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

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