



# MATERIAL SAFETY DATA SHEET

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## SECTION 1 - PRODUCT INFORMATION

**PRODUCT NAME:** NAXAF® HSP  
**CHEMICAL NAME:** Naphthalenesulfonate - formaldehyde condensate, sodium salt  
**CAS NUMBER:** 9084-06-4  
**PRODUCT CODE:** 4641  
**MSDS NO.:** 1-20100

**ISSUE DATE:** 07/12/05  
**SUPERSEDES:** 12/19/01

## SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

<u>CHEMICAL NAME</u>	<u>CAS REGISTRY NO.</u>	<u>PERCENT</u>	<u>EXPOSURE LIMITS</u>
Naphthalenesulfonate - formaldehyde condensate, sodium salt	9084-06-4	> 86	None established
Sodium sulfate	7757-82-6	< 10	None established
Water	7732-18-5	< 6	None established

## SECTION 3 - HAZARD IDENTIFICATION

**Appearance & Odor:** Tan, powdered solid; slight hydrocarbon 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 dusts may cause respiratory tract irritation. Dusts at sufficient concentrations can form explosive mixtures with air.

**Inhalation:** Prolonged or repeated overexposure to dusts 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.

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

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

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

**Ingestion:** Give the patient 1-2 glasses of water (8-16 oz.) and call a physician. Never give anything by mouth to an unconscious person. Induce vomiting only at the instruction 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:** Not applicable

**Auto Ignition:** No data available

**Explosive Limits; UEL/LEL:** In sufficient concentrations, dusts can form potentially explosive mixtures in air.

**Extinguishing Agents:** Use water spray, dry chemical, carbon dioxide, or foam extinguishing agents. Do not apply a direct water stream on material.

**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. Avoid generating dusts. Cool containers with water that are exposed to flames. Bond and ground equipment when transferring material to prevent static build up.

**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 **NAXAF® HSP**. See Section 8-Exposure Control, for recommendations.

**Spill or Leak Information:** Eliminate all ignition sources. Avoid breathing and generating dusts. Sweep or scoop material into containers for reuse or disposal. Flush spill area with plenty of water. Collect water for proper disposal.

## SECTION 7 - HANDLING AND STORAGE

**Handling Conditions:** Follow all warnings and precautions even after container is emptied. Bond and ground equipment when transferring material to prevent static build up.

**Storage Conditions:** Keep container tightly closed when not in use.

## SECTION 8 - EXPOSURE CONTROL

**Eye Protection:** Use 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 handling conditions. If dusts can be generated, wear the appropriate NIOSH approved air-purifying particulate respirator for the dust concentrations at the point of use.

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## SECTION 8 - EXPOSURE CONTROL (CONT.)

**Ventilation:** Good local exhaust ventilation should be provided.

**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:** Tan, powdered solid

**Odor:** Slight hydrocarbon odor

**Melting Point:** No data available

**Boiling Point:** No data available

**Evaporation Rate (butyl acetate=1):** No data available

**pH:** 9.0 - 10.5 (10% solution)

**Vapor Pressure (mm Hg):** No data available

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

**Specific Gravity/Density:** 0.4 to 0.7 (bulk density)

**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 components present in this material.

Naphthalenesulfonate - formaldehyde condensate, sodium salt: Oral LD<sub>50</sub> (rat): > 5.0 g/kg

**Sensitization:** Naphthalenesulfonate - formaldehyde condensate, sodium salt is not known to cause sensitization.

**Carcinogenicity/Mutagenicity:** Naphthalenesulfonate - formaldehyde condensate, sodium salt is not considered to be a human or animal carcinogen.

**Teratogenicity/Reproductive Toxicity:** Naphthalenesulfonate - formaldehyde condensate, sodium salt is not known to cause teratogenicity or reproductive toxicity.

## SECTION 12 - ECOLOGICAL INFORMATION

**Environmental Toxicity:** The information shown below is based on toxicity profiles of similar materials.

Biodegradability: > 70% (OECD:TOC)

COD: 570 mg/g

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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:** Not applicable

**California Proposition 65:** Not applicable

### Chemical Control Law Status:

All components of this product are listed or are excluded from listing on the U.S. Toxic Substance Control Act (TSCA) Chemical Substance Inventory.

**WHMIS Ingredient Disclosure List:** Not applicable

**HMIS Health Rating:** 1

**HMIS Fire Rating:** 1

**HMIS Reactivity Rating:** 0

**HMIS Other:** NA

## SECTION 16 - OTHER CONSIDERATIONS

Prepared by Regulatory Staff Phone No.: (814) 238-2424

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

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