# MATERIAL SAFETY DATA SHEET

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**Emergency: CHEMTREC 800-424-9300**

## SECTION 1 - PRODUCT INFORMATION

| | | |
|---|---|---|
| **PRODUCT NAME:** | **NAXONATE® SX** | ISSUE DATE: 07/13/05 |
| CHEMICAL NAME: | Sodium xylenesulfonate, 93% powder | SUPERSEDES: 10/25/04 |
| CAS NUMBER: | 1300-72-7 | |
| PRODUCT CODE: | 4610 | |
| MSDS NO.: | 1-10104 | |

## SECTION 2 - HAZARD IDENTIFICATION

**Appearance & Odor:** White to cream colored powder. No odor.

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

**Health Hazard Warnings:** CAUTION! May cause eye and skin irritation. Prolonged or repeated overexposure to dust may cause upper respiratory tract irritation. Dusts at sufficient concentrations can form explosive mixtures with air.

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

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

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

**Ingestion:** May cause irritation to the membranes of the mouth, throat and gastrointestinal tract. May cause gastrointestinal irritation.

## SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

| CHEMICAL NAME | CAS REGISTRY NO. | PERCENT |
|---|---|---|
| Sodium xylenesulfonate | 1300-72-7 | > 93 |
| Sodium sulfate | 7757-82-6 | < 5 |
| Water | 7732-18-5 | < 3 |

## 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.

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

## 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 physician 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:** 490 ºC

**Explosive Limits; UEL/LEL:** In sufficient concentrations, dusts can form explosive mixtures with 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. Cool containers with water that are exposed to flames. Avoid placing a solid stream of water on spilled material. Bond and ground containers when transferring to prevent static build up.

**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 **NAXONATE® SX.** See Section 8 - Exposure Control, for recommendations.

**Spill or Leak Information:** Sweep or scoop material into containers for recovery or disposal. Avoid breathing or generating dusts. 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. Ground and bond containers when transferring this material.

**Storage Conditions:** Store covered in a dry, well ventilated area. Keep container tightly closed when not in use.

## 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 handling conditions. If dusts can be generated, wear a NIOSH approved particulate respirator for the dust 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:** White to cream colored powder

**Odor:** No odor

**Melting Point:** > 300 °C

**Boiling Point:** No data available

**Evaporation Rate (butyl acetate=1):** Not applicable

**pH:** 7 - 9 (40% solution)

**Vapor Pressure (mm Hg):** Low

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

**Specific Gravity/Density:** 0.56 - 0.61 g/ml

**Solubility in Water:** Soluble in water

**Flash Point:** Not applicable

**Auto Ignition:** 490 °C

## SECTION 10 -STABILITY AND REACTIVITY

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

**Incompatibility:** Strong oxidizers.

**Polymerization:** Not expected to occur.

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

## 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.

Sodium xylenesulfonate: Oral $LD_{50}$ (rat): > 5 g/kg

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

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

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

## SECTION 12 -ECOLOGICAL INFORMATION

**Ecotoxicological Data:**

| | | | | |
|---|---|---|---|---|
| Acute Toxicity: | Fathead Minnow | 96 hour $LC_{50}$: | > 1000 mg/L; | NOEC: 1000 mg/l |
| | Daphnia magna | 48 hour $EC_{50}$: | > 1000 mg/L; | NOEC: 1000 mg/l |

Aerobic Biodegradation – Modified Sturm Test: Classified – “Biodegradable”

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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:**

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

MSDS No.: 1-10104
Issue Date: 7/13/05

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

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