MATERIAL SAFETY DATA SHEET

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SECTION 1 - PRODUCT INFORMATION

PRODUCT NAME:	**NAXONATE®4LOF**
CHEMICAL NAME:	Sodium xylenesulfonate
CAS NUMBER:	1300-72-7
PRODUCT CODE:	4702
MSDS NO.:	1-10125

ISSUE DATE: 07/13/05
SUPERSEDES: 09/07/01

SECTION 2- HAZARD IDENTIFICATION

Appearance & Odor: Colorless to light yellow liquid, mild odor.

Primary Routes of Exposure: Skin and Eyes.

Health Hazard Warnings: CAUTION! May cause 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 tract irritation.

Skin Contact: Prolonged or repeated overexposure to liquid 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.

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS REGISTRY NO.	PERCENT
Sodium xylenesulfonate	1300-72-7	> 40
Sodium sulfate	7757-82-6	< 2
Water	7732-18-5	< 60

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.

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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 instruction of a physician or nurse.

Other Specific Instructions: In the event of exposure, seek medical attention immediately.

SECTION 5 - FIRE FIGHTING MEASURES

Flash Point: > 250°F **Auto Ignition:** 490°C

Explosive Limits; UEL/LEL: No data available.

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.

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® 4LOF.** See Section 8 - Exposure Control, for recommendations.

Spill or Leak Information: Absorb material with an inert material (i.e. vermiculite, soil, etc.). 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 10 ^{o}C (50 ^{o}F) and may precipitate from solution during storage. Store material above 20 ^{o}C (68 ^{o}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 handling conditions. If mists can be generated, wear a 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: Colorless to light yellow liquid

Odor: Mild

Freezing Point: 10 - 15 °C

Boiling Point: 101 °C

Evaporation Rate (butyl acetate=1): < 1

pH: 7 - 9

Vapor Pressure (mm Hg): 17 mmHg (water)

Vapor Density (Air=1): < 1

Specific Gravity/Density: 1.16 @ 25 °C

Solubility in Water: Completely soluble

Flash Point: > 250°F

Auto Ignition: 490°C

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 highly toxic 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.

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: The ecological toxicity data for a similar product NAXONATE7 4L (40% soln.) is listed below:

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:	Ethylbenzene	100-41-4;	Cancer

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:**	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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