



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: NAXONATE® ST

CHEMICAL NAME: Sodium toluenesulfonate, 93% powder

CAS NUMBER: 12068-03-0

PRODUCT CODE: 4602

MSDS NO.: 1-10103

ISSUE DATE: 07/13/05

SUPERSEDES: 08/16/04

SECTION 2 - HAZARD IDENTIFICATION

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

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

Health Hazard Warnings: CAUTION! May cause eye and skin irritation. Prolonged or repeated overexposure to dust 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 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

<u>CHEMICAL NAME</u>	<u>CAS REGISTRY NO.</u>	<u>PERCENT</u>
Sodium toluenesulfonate	12068-03-0	> 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.

Ingestion: Call a physician. Never give anything by mouth to an unconscious person. Induce vomiting only at the instructions of a physician or nurse.

MATERIAL SAFETY DATA SHEET

Page 2 of 4

MSDS No.: 1-10103

SECTION 4 - FIRST AID MEASURES (CONT.)

Other Specific Instructions: In the event of exposure, seek medical attention immediately. Do not give chemical antidotes unless directed 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 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® ST**. 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/MSHA approved dust/mist respirator for the dust concentrations at the point of use.

Ventilation: Good local exhaust ventilation should be provided.

MATERIAL SAFETY DATA SHEET

Page 3 of 4

MSDS No.: 1-10103

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: No data available

Boiling Point: No data available

Evaporation Rate (butyl acetate=1): Not applicable

pH: 6 - 9 (40% solution)

Vapor Pressure (mm Hg): Low

Vapor Density (Air=1): No data available

Specific Gravity/Density: 0.40 - 0.50 g/ml

Solubility in Water: Soluble in water

Flash Point: Not applicable

Auto Ignition: No data available

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 similar materials or on the components present in this material.

Sodium toluenesulfonate:	Oral LD ₅₀ (rat):	6.5 g/kg
	Oral LD ₅₀ (mouse):	8.2 g/kg

Sensitization: Sodium toluenesulfonate is not known to cause sensitization.

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

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

SECTION 12 -ECOLOGICAL INFORMATION

Ecotoxicological Data: Sodium Toluenesulfonate is not expected to be toxic to fish or aquatic organisms based on testing of similar chemicals. Ready aerobic biodegradation of Sodium Toluenesulfonate is 100% after 3 days based on a sewage inoculum test.

MATERIAL SAFETY DATA SHEET

Page 4 of 4

MSDS No.: 1-10103

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

MSDS No.: 1-10103

Issue Date: 7/13/05

Emergency Phone No.: CHEMTREC 800-424-9300

This information is furnished free of charge and is based on technical data that Nease Corporation believes to be reliable. It is intended for use by trained persons having technical skill and at their own discretion and risk. Since conditions of use are outside our control, we make no warranties, expressed or implied, and assume no liability in connection with any use of this information. Nothing herein is to be taken as a license to operate under or a recommendation to infringe any patents.