

SAFETY DATA SHEET

OSHA HCS (29 CFR 1910.1200)

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product identifier

Chemical Name	Sodium toluenesulfonate
Trade name	NAXONATE® 4ST
CAS No.	12068-03-0

Relevant identified uses of the substance or mixture and uses advised against

Identified use(s)	Hydrotope
Uses advised against	None

Details of the supplier of the safety data sheet

Company Identification	Nease Co. LLC 10740 Paddys Run Road Harrison, OH 45030
Telephone	(513) 738-1255
Telephone (Product Information)	(888) 762-7373
Fax	(513) 587-2828
E-Mail (competent person)	techservice@neaseco.com

Emergency telephone number

Emergency Phone No.	(513) 738-1255 CHEMTREC 24 hr. (800) 424-9300
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SECTION 2: HAZARDS IDENTIFICATION

Classification of the substance or mixture

OSHA HCS (29 CFR 1910.1200)	Eye Irrit. 2b
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Label elements

Hazard Symbol



WARNING

Signal word(s)

Hazard statement(s)

Causes eye irritation.

Precautionary statement(s)

Wash hands thoroughly after handling.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Other hazards

Not classified as PBT or vPvB.

Additional Information

None.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous ingredient(s)	%W/W	CAS No.	Hazard statement(s)
Sodium toluenesulfonate	>40%	12068-03-0	Causes eye irritation.
Sodium sulfate	<2%	7757-82-6	None
Water	<60%	7732-18-5	None

Additional Information - None

SECTION 4: FIRST AID MEASURES



Description of first aid measures

Inhalation	Remove to fresh air and keep at rest in a position comfortable for breathing. If breathing is laboured, administer oxygen. If breathing has stopped, apply artificial respiration.
Skin Contact	Wash affected skin with plenty of water. Continue to wash the affected area for at least 15 minutes.
Eye Contact	Immediately flush eyes for at least 15 minutes. Hold eye open and rinse slowly and gently with water. Continue rinsing. Seek medical treatment when anyone has symptoms apparently due to contact with eyes.
Ingestion	Drink two glasses of water. Call a physician. If swallowed, and the victim is conscious and alert, induce vomiting immediately, as directed by medical personnel.

Most important symptoms and effects, both acute and delayed None

Indication of any immediate medical attention and special treatment needed None

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing media

-Suitable Extinguishing Media	Extinguish with waterspray, dry chemical, sand or carbon dioxide.
-Unsuitable Extinguishing Media	None anticipated.

Special hazards arising from the substance or mixture None anticipated.

Advice for fire-fighters Fire fighters should wear complete protective clothing including self-contained breathing apparatus.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures Put on protective equipment before entering danger area.

Environmental precautions Do not allow to enter drains, sewers or watercourses.

Methods and material for containment and cleaning up Contain spillages with sand, earth or any suitable adsorbent material. Transfer to a container for disposal or recovery. Wash the spillage area with water. If possible prevent water running into sewers.

Reference to other sections None
Additional Information None

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling Do not get in eyes.

Conditions for safe storage, including any incompatibilities

-Storage Temperature Store at room temperature. Prevent from freezing. This product should be stored at a temperature greater than: 10°C (50°F). The product will precipitated at 0°C (32°F).

-Incompatible materials Keep away from oxidising agents. Keep container tightly closed and dry.

Specific end use(s) Hydrotape

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Occupational exposure limits

SUBSTANCE.	CAS No.	LTEL (8 hr TWA ppm)		STEL (ppm)		Note:
		PEL (OSHA)	TLV (ACGIH)	PEL (OSHA)	TLV (ACGIH)	
None	-----	-----	-----	-----	-----	-----

Recommended monitoring method None

Exposure controls

Appropriate engineering controls Not normally required.

Personal protection equipment

Eye/face protection Wear protective eye glasses for protection against liquid splashes.



Skin protection (Hand protection/ Other) The following to be used as necessary:Gloves (Neoprene or Natural rubber).



Respiratory protection No personal respiratory protective equipment normally required.



Thermal hazards Use gloves with insulation for thermal protection, when needed.

Environmental Exposure Controls Do not allow to enter drains, sewers or watercourses.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	Liquid
Colour	Colourless to yellowish
Odour	Bland
Odour Threshold (ppm)	Not available.
pH (Value)	7-9
Melting Point (°C) / Freezing Point (°C)	10-15
Boiling point/boiling range (°C):	Not available
Flash Point (°C)	>121 (250 °F)

Evaporation rate	<1 (butyl acetate=1).
Flammability (solid, gas)	Not applicable.
Explosive limit ranges	Not available.
Vapour Pressure (Pascal)	2266 (17 mm Hg)
Vapour Density (Air=1)	<1
Density (g/ml)	1.18 @ 25°C
Solubility (Water)	Completely Soluble
Solubility (Other)	Not available.
Partition Coefficient (n-Octanol/water)	Not available.
Auto Ignition Temperature (°C)	Not available.
Decomposition Temperature (°C)	Not available.
Kinematic Viscosity (cSt) @ 40°C	Not available
Explosive properties	Not explosive.
Oxidising properties	Not oxidising.

Other information Not available.

SECTION 10: STABILITY AND REACTIVITY

Reactivity	Stable under normal conditions.
Chemical stability	Stable.
Possibility of hazardous reactions	None anticipated.
Conditions to avoid	Incompatible materials.
Incompatible materials	Reacts with oxidizers.
Hazardous Decomposition Product(s)	Carbon monoxide, Carbon dioxide, Sulphur oxides,

SECTION 11: TOXICOLOGICAL INFORMATION

Exposure routes: Inhalation, Skin Contact, Eye Contact

Substances in preparations / mixtures

sodium toluenesulphonate (CAS# 12068-03-0) - By analogy with similar materials:

Acute toxicity	Oral: LD50 > 7000 mg/kg-bw Dermal: LD50 > 2000 mg/kg-bw Inhalation: LC50 > 6.41 mg/l 232 min
Irritation/Corrosivity	Causes eye irritation.
Sensitization	It is not a skin sensitizer.
Repeated dose toxicity	NOAEL: > 763 active ingredient/kg bw/day (in diet for 90 days, in diet, rat)
Carcinogenicity	It is unlikely to present a carcinogenic hazard to man.

NTP	IARC	ACGIH	OSHA	NIOSH
No.	No.	No.	No.	No.

Mutagenicity There is no evidence of mutagenic potential.

Toxicity for reproduction None anticipated

SECTION 12: ECOLOGICAL INFORMATION

Toxicity - Substances in preparations / mixtures

sodium toluenesulphonate (CAS# 12068-03-0) - By analogy with similar materials:

Short term	LC50 (96 hour): > 1000 mg/L (<i>Oncorhynchus mykiss</i>) (By analogy with similar materials) EC50 (48 hour): 54 mg/l (<i>Daphnia magna</i> , mobility) EC50 (96 hour): > 230 mg/l (<i>Pseudokirchnerella subcapitata</i>) (By analogy with similar materials)
Long Term	Scientifically unjustified
Persistence and degradability	Readily biodegradable
Bioaccumulative potential	Not available.
Mobility in soil	Not available.
Results of PBT and vPvB assessment	Not classified as PBT or vPvB.
Other adverse effects	None known.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods	Disposal should be in accordance with local, state or national legislation. Consult an accredited waste disposal contractor or the local authority for advice.
Additional Information	None known.

SECTION 14: TRANSPORT INFORMATION

	Land transport (U.S. DOT)	Sea transport (IMDG)	Air transport (ICAO/IATA)
UN number			
Proper Shipping Name			
Transport hazard class(es)			
Packing group		Not classified as dangerous for transport	
Hazard label(s)			
Environmental hazards			
Special precautions for user			

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:

SECTION 15: REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture:

TSCA (Toxic Substance Control Act) - Inventory Status: All components listed or polymer exempt.

Canada Domestic Substance List (DSL) - Listed

Designated Hazardous Substances and Reportable Quantities (40 CFR 302.4):

Chemical Name	CAS No.	Typical %wt.	RQ (Pounds)
None	----	----	----

SARA 311/312 - Hazard Categories:

Fire Sudden Release Reactivity Immediate (acute) Chronic (delayed)

SARA 313 - Toxic Chemicals (40 CFR 372):

Chemical Name	CAS No.	Typical %wt.
None	-----	-----

SARA 302 - Extremely Hazardous Substances(40 CFR 355):

Chemical Name	CAS No.	Typical %wt.
None	-----	----

SECTION 16: OTHER INFORMATION

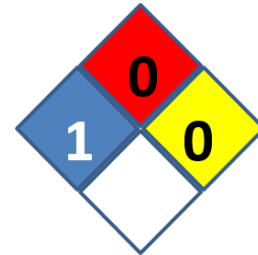
The following sections contain revisions or new statements: 1-16.

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Additional Information:

HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARD	0
Personal Protection B 	

HMIS (Hazardous Material Information System)



NFPA (National Fire Protection Association)

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