

Material Safety Data Sheet

Date created	11/17/2008
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Version	1.1

Section 1-Product Information

Product name	TOPS
Product Cat. No.	C01593

Section 2-Composition / Information on Ingredients

Substance/Preparation:	Substance
Ingredient Name	N-Ethyl-N-sulfopropyl-3-toluidine sodium salt ; 3-[Ethyl(3-methylphenyl)amino]-1-propanesulfonic acid sodium salt; 3-(N-ethyl-3-methylanilino)propane sulfonic acid sodium salt
SARA 313	No
CAS	40567-80-4
Formula	C ₁₂ H ₁₈ NO ₃ SNa

Section 3- Hazards Identification

Emergency Overview	
Caution	The chemical, physical, and toxicological properties of this product have not been thoroughly investigated. Exercise due care.
HMIS Rating	
Health	0
Flammability	0
Reactivity	0
NFPA Rating	
Health	0
Flammability	0
Reactivity	0

For additional information on toxicity, please refer to Section 11.

Section 4- First Aid Measures

Oral Exposure	If swallowed, wash out mouth with water provided person is conscious. Call a physician.
Inhalation Exposure	If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.
Dermal Exposure	In case of skin contact, flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes. Call a physician.
Eye Exposure	In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

Section 5- Fire Fighting Measures

Flash Point	Not available
Autoignition Temp	Not available
Flammability	Not available
Extinguishing Media	
Suitable	Carbon dioxide, dry chemical powder, or appropriate foam. Water spray
Fire Fighting	
Protective Equipment	Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.
Specific Hazard(s)	Emits toxic fumes under fire conditions.
Exposure Hazard(s)	

Material Harmful solid. Irritant.

Section 6- Accidental Release Measures

Procedure(s) of Personal Precaution(s) Wear respirator, chemical safety goggles, rubber boots, and heavy rubber gloves

Methods for Cleaning up Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

Section 7-Handling and Storage

Handling

User Exposure Avoid inhalation. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure.

Storage

Suitable Keep tightly closed.

Store at 2-8°C

Section 8-Exposure Controls/Personal Protection Equipment

Engineering Controls Mechanical exhaust required

Personal Protective equipment

Respiratory Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) respirator.

Other Wear appropriate government approved respirator, chemical-resistant gloves, safety goggles, other protective clothing.

General Hygiene Measures Wash thoroughly after handling

Section 9- Physical and Chemical Properties

Appearance

Physical State White powder

Property

Molecular Weight 297.3 AMU

pH Not available

BP/BP Range Not available

MP/MP Range Not available

Freezing Point Not available

Vapor Pressure Not available

Vapor Density Not available

Saturated Vapor Conc. Not available

SG/Density Not available

Bulk Density Not available

Odor Threshold Not available

Volatile% Not available

VOC Content Not available

Water Content Not available

Solvent Content Not available

Evaporation Rate Not available

Viscosity Not available

Surface Tension Not available

Partition Coefficient Not available

Decomposition Temp. Not available

Flash Point Not available

Explosion Limits Not available

Flammability Not available

Autoignition Temp Not available

Refractive Index Not available

Optical Rotation	Not available
Miscellaneous Data	Not available
Solubility	500 mg/10 ml water

Section 10- Stability and Reactivity

Stability	
Stable	Stable
Hazardous Decomposition Products	
Hazardous Decomposition Products	Carbon oxides, Nitrogen oxides, Sulphur oxides, Sodium oxides
Hazardous Polymerization	
Hazardous Polymerization	Will not occur

Section 11- Toxicological Information

Route of Exposure	
Inhalation	Material is irritating to mucous membranes and upper respiratory tract.
Multiple Routes	Causes eye and skin irritation. Harmful if swallowed, inhaled, or absorbed through skin.
Conditions Aggravated by Exposure	The toxicological properties have not been thoroughly investigated.

Section 12- Ecological Information

No data available.

Section 13- Disposal Considerations

Appropriate Method of Disposal of Substance or Preparation	Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state, and local environmental regulations.
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Section 14- Transport Information

DOT	
Proper Shipping Name	None
Non-Hazardous for Transport	This substance is considered to be non-hazardous for transport.
IATA	
Non-Hazardous for Air Transport	Non-hazardous for air transport

Section 15- Regulatory Information

US Classification and Label Text	
US Statements	Caution: Avoid contact and inhalation.
United States Regulatory information	
SARA Listed	No
Canada Regulatory information	
WHMIS Classification	This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR.
DSL	No
NDSL	No

Section 16- Other Information

GenScript corporation MSDS is believed to be correct but only used as a guide for experienced personnel, GenScript shall not be held liable for any damage resulting from the handling or from contact with the above product.