

# Safety Data Sheet



Revision 1 Date: 9-20-23

## 1. IDENTIFICATION

**Product Identifier:**

Product Name: **Top Foam**

Recommended use of the chemical and restrictions on use: Car Wash Application / No Restrictions

**Safety Data Sheet Supplier Details:**

Manufacturer Address:

Top Line Chemical Solutions, LLC  
1923 John Crosland Jr. Drive  
Charlotte, NC 28208

<b>Company Phone Number:</b>	1-980-980-0569
<b>Emergency Telephone Number (24 hour)</b>	INFOTRAC: (800) 535-5053 (North America)
	INFOTRAC: 1-352-323-3500 (International)

## 2. HAZARDS IDENTIFICATION

Appearance: Slightly Yellow Liquid  
Physical State: Liquid  
Odor: Sweet Ether Fragrance

**GHS Classification:**

Acute Toxicity if Swallowed	Category 4
Acute Toxicity if Inhaled	Category 4
Serious Eye Damage	Category 1
Skin Corrosion	Category 1A

**Hazard Statements:**

- Harmful if swallowed (H302)
- Harmful if inhaled (H332)
- Causes eye irritation (H318)
- Skin Corrosion (H314)

**GHS Label Element:**

Hazard Pictograms



**Precautionary Statements – Prevention**

Wash face, hands, and any exposed skin thoroughly after handling

Avoid release into environment

Do not swallow. If swallowed, do NOT induce vomiting

Wear protective gloves/protective clothing/eye protection/face protection

Contaminated clothing should be removed immediately and washed prior to reuse

**Precautionary Statements – Response**

*IF IN EYES:* Rinse cautiously with water for several minutes. Remove contact lenses, if present and continue rinsing for a minimum of 15 minutes. If irritation persists, get medical attention.

*IF ON SKIN:* Remove any contaminated clothing touching skin and wash before reuse. Wash skin with plenty of soap and water. If skin irritation persists, get medical attention.

*If Swallowed:* Rinse mouth out with water and do NOT induce vomiting. Call poison control immediately.

**3. COMPOSITION**

Chemical Name	CAS No	Weight-%
Ethylene Glycol Monobutyl Ether	111-76-2	25-35
Ethanediol	107-21-1	7-14
Dodecyl Benzene Sulfonic Acid	27176-87-0	40-60

\*\*If Chemical Name/CAS No is “proprietary” and/or Weight % is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.\*\*

## 4. FIRST AID MEASURES

### First Aid Measures:

- **General Advice** Provide SDS to medical personnel for treatment
- **Eye Contact:** IF IN EYES: Small amounts can cause tissue damage. Immediately rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and continue rinsing. If eye irritation persists: Get medical attention.
- **Skin Contact:** IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice. Take off contaminated clothing and wash before reuse.
- **Inhalation:** Remove to fresh air. Keep at rest in a position comfortable for breathing. If breathing is irregular or if respiratory arrest occurs get medical attention immediately.
- **Ingestion:** Rinse mouth with water. Do NOT induce vomiting unless directed by medical professional. If ingestion of a large amount does occur, call a poison control center immediately.

### Most Important symptoms and effects

- Symptoms: Acute and delayed effects are indicated in sections 2 and 11.

### Indication of any immediate medical attention and special treatment needed

- Note to physician: Treat symptomatically

## 5. FIRE-FIGHTING MEASURES

### Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Water fog or spray, Foam, Dry Powder, Carbon Dioxide.

***UNSUITABLE EXTINGUISHING MEDIA: NOT DETERMINED.***

### Specific Hazards Arising from the Chemical

Hazardous Combustion Products: Carbon Dioxide, Carbon Monoxide, Halogenated Compounds, Metal Oxide/Oxides

### Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

- Personal Precautions: Use personal protective equipment as required.
- Environmental Precautions: See Section 12 for additional ecological information.

## Methods and material for containment and cleaning up

- Methods for containment: Prevent further leakage or spillage if safe to do so.
- Methods for Clean-Up: Absorb liquid with vermiculite or other absorbent materials. Dike to prevent material from reaching streams or other water sources. If runoff occurs notify proper authorities as required. Dispose of waste in accordance with local, state and federal laws.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

**Advice on safe handling:** Handle in accordance with good industrial hygiene and safety practices. Wear protective gloves/protective clothing and eye/face protection. Wash face, hands, and any exposed skin thoroughly after handling. Eating, drinking and smoking should be prohibited.

### Conditions for safe storage, including any incompatibilities

**Storage Conditions:** Keep container tightly closed and store in a cool, dry and well-ventilated place. Protect from freezing. Keep out of the reach of children. Do not re-use container.

**Incompatible materials:** None Known

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Ethylene Glycol Monobutyl Ether 111-76-2	TWA: 20 ppm	TWA: 50 ppm TWA: 240 mg/m <sup>3</sup> (vacated) TWA: 25 ppm (vacated) TWA: 120 mg/m <sup>3</sup> (vacated) S* S*	IDLH: 700 ppm TWA: 5 ppm TWA: 24 mg/m <sup>3</sup>
Ethenediol 107-21-1	STEL: 50 ppm (Vapor) TWA: 25 ppm (vapor) STEL: 10 ppm (inhalable fraction Aerosol only)	TWA: 10 ppm TWA: 25 mg/m <sup>3</sup> (vacated) TWA: 10 ppm (vacated) TWA: 25 mg/m <sup>3</sup>	IDLH: 50 ppm TWA: 10 ppm TWA: 25 mg/m <sup>3</sup> STEL: 15 ppm STEL: 37 mg/m <sup>3</sup>
Dodecyl Benzene Sulfonic Acid 27176-87-0	TWA: 0.2 mg/m <sup>3</sup> Thoracic	TWA: 1 mg/m <sup>3</sup>	No Data

### Appropriate engineering controls

**Engineering Controls:** Apply technical measures to comply with the occupational exposure limits. Mechanical ventilation, eye-wash stations, showers where necessary.

### Individual protection measures such as personal protective equipment

**Eye/Face Protection:** Safety Glasses, Goggles, Face Shield

**Skin and Body Protection:** Wear protective gloves and protective clothing

**Respiratory Protection:**

Ensure adequate ventilation, especially in confined areas.

**General Hygiene:**

Handle in accordance with good industrial hygiene and safety practices

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

**Physical State:**

Liquid

**Odor:** Sweet Ether/Chemical

**Color:**

Light Yellow

**Odor Threshold:** Not Determined

<b>Property</b>	<b>Values</b>	<b>Remarks</b>
<i>pH</i>	1.0-1.5	
<i>Melting Point/Freezing Point</i>	32 degrees Fahrenheit	
<i>Boiling Point/Boiling Range</i>	212 degrees Fahrenheit	
<i>Flash Point</i>	N/A	
<i>Evaporation Rate</i>	Not Determined	
<i>Flammability (Solid, Liquid, Gas)</i>	Not Flammable	
<i>Upper Flammability Limit</i>	Not Determined	
<i>Lower Flammability Limit</i>	Not Determined	
<i>Vapor Pressure</i>	Not Determined	
<i>Vapor Density</i>	Not Determined	
<i>Specific Gravity</i>	Not Determined	
<i>Water Solubility</i>	Yes, Not Determined	
<i>Solubility in other solvents</i>	Not Determined	
<i>Partition Coefficient</i>	Not Determined	
<i>Auto – Ignition Temperature</i>	Not Determined	
<i>Decomposition Temperature</i>	Not Determined	
<i>Kinematic Viscosity</i>	Not Determined	
<i>Dynamic Viscosity</i>	Not Determined	
<i>Explosive Properties</i>	Not Determined	
<i>Oxidizing Properties</i>	Not Determined	
<i>VOC Content</i>	Not Determined	
<i>Density</i>	Not Determined	

## 10. STABILITY AND REACTIVITY

### Reactivity

Not Reactive under normal conditions

### Chemical stability

Stable under recommended storage conditions

### Possibility of hazardous reactions

None under normal processing

\*\*Hazardous Polymerization does not occur

### Conditions to avoid

Keep out of reach of children.

### Incompatible materials

None Known

### Hazardous decomposition products

None Known

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

- Eye Contact: Avoid contact with eyes. Causes irritation/burns.
- Skin Contact: May cause irritation.
- Inhalation: Avoid breathing mists.
- Ingestion: May be harmful if swallowed.

**Component Information:** Delayed and immediate effects, chronic effects from short and long term exposure.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Ethylene Glycol Monobutyl Ether 111-76-2	= 470 mg/kg ( Rat )	= 99 mg/kg ( Rabbit )	= 450 ppm ( Rat ) 4 h
Dodecyl Benzene Sulfonic Acid 27176-87-0	= 500 mg/kg ( Rat )	= 1060 mg/kg ( Rabbit )	= 11.4 mg/L ( Rat ) 4 h
EthanedioI 107-21-1	= 7712 mg/kg (Rat)	= 9530 uL/Kg (Rabbit) = 10600 mg/kg (Rat) >3500 mg/kg (mice)	>2.5 mg/L (rat) 6 h

### Information on physical, chemical, and toxicological effects

**Symptoms** Please see section 4 of this SDS for symptoms

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

Carcinogenicity: The table below indicates whether each agency has listed any ingredient as a carcinogen. However, the product as a whole has not been tested.

Chemical Name	ACGIH	IARC	NTP	OSHA
Ethylene Glycol Monobutyl Ether 111-76-2	A3	Group 3		

**Legend**

**ACGIH (American Conference of Governmental Industrial Hygienists)**

A3 - Animal Carcinogen

**IARC (International Agency for Research on Cancer)**

Group 3 IARC components are "not classifiable as human carcinogens"

**Numerical measures of toxicity**

Not determined

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

Large or frequent spills can have a harmful or damaging effect on the environment.

**Components for Ecological Information**

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Ethylene Glycol Monobutyl Ether 111-76-2	EC50: 911mg/L, 72h (Pseudokirchneriella subcapitata)	LC50: static 1490mg/L, 96h, (Lepomis macrochirus)	Not Determined	EC50: 1815 mg/L, 48h (Daphnia magna) EC50: 1698 – 1940mg/L, 24h (Daphnia magna)
Dodecyl Benzene Sulfonic Acid 27176-87-0	EC50: 47.3mg/L, 72h (Algae)	LC50: 5mg/L, 48h static (Leuciscus idus)	Not Determined	EC50: 5.9mg/L, 24h (Daphnia magna)
Ethenediol 107-21-1	EC50: 6500-13000mg/L 96h (Pseudokirchneriella subcapitata)	LC50: 14-18 mL/L, 96h static (Oncorhynchus mykiss) LC50: = 27540 mg/L, 96h static (Lepomis macrochirus) LC50: = 40761 mg/L, 96h static (Oncorhynchus mykiss) LC50: 40000-60000mg/L, 96h static (Pimephales promelas) LC50: = 16000 mg/L, 96h static (Poecillia reticulata)	Not Determined	EC50: = 46300 mg/L, 48h (Daphnia magna)

**Persistence/Degradability:** Not Determined

**Mobility in Soil:** Not Determined

**Bioaccumulation:** Not Determined

**Other Adverse Effects:** Not Determined

## 13. DISPOSAL CONSIDERATIONS

### Waste treatment methods

<b><i>Disposal of wastes:</i></b>	Disposal should be in accordance with local, state, and federal laws and regulations.
<b><i>Contaminated Packaging:</i></b>	Disposal should be in accordance with local, state, and federal laws and regulations.

## 14. TRANSPORTATION INFORMATION

**Note:** Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

### DOT:

Hazard Classification: 8  
Shipping Classification: Alkyl Sulphonic Acids, Liquid / 5% or less free sulfuric acid  
UN ID Number: UN2586  
Packaging Group: III  
Labels: Corrosive

### IATA:

Hazard Classification: 8  
Shipping Classification: Alkyl Sulphonic Acids, Liquid / 5% or less free sulfuric acid  
UN ID Number: UN2586  
Packaging Group: III  
Labels: Corrosive

### IMDG:

Hazard Classification: 8  
Shipping Classification: Alkyl Sulphonic Acids, Liquid / 5% or less free sulfuric acid  
UN ID Number: UN2586  
Packaging Group: III  
Labels: Corrosive



## 15. REGULATORY INFORMATION

### International Inventories

Chemical Name	TSCA	DSL	NDSL	EINECS	ENCS	IECSC	KECL	PICCS	AICS
Ethylene Glycol Monobutyl Ether 111-76-2	X	X		X	X	X	X	X	X
Dodecyl Benzene Sulfonic Acid 27176-87-0	X	X				X		X	X
Ethenediol 107-21-1	X	X		203-473-3	X	X	KE-13169	X	X

**X – Listed**

**Legend:**

*TSCA - United States Toxic Substances Control Act Section 8(b) Inventory*  
*DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List*  
*EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances*  
*ENCS - Japan Existing and New Chemical Substances*  
*IECSC - China Inventory of Existing Chemical Substances*  
*KECL - Korean Existing and Evaluated Chemical Substances*  
*PICCS - Philippines Inventory of Chemicals and Chemical Substances*  
*AICS - Australian Inventory of Chemical Substances*

**US Federal Regulations:** N/A

**CERCLA:** This material, as supplied, contains one or more substances regulated as a hazardous substance under the comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

Chemical Name	Hazardous Substance RQ
Dodecyl Benzene Sulfonic Acid 27176-87-0	1000lb
Ethenediol 107-21-1	5000lb

**SARA 313:** Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirement of the Act and Title 40 of the Code of Federal Regulations, Part 372.

Chemical Name	CAS No
Ethylene Glycol Monobutyl Ether	111-76-2
Ethenediol	107-21-1

**HAP (Clean Air Act):** The following chemicals are listed as HAP under the U.S. Clean Air Act, Section 12 (40 CFR 61).

- Ethenediol – 107-21-1

**CWA (Clean Water Act):** This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

Chemical Name	CWA – Reportable Quantities	CWA – Toxic Pollutants	CWA- Priority Pollutants	CWA- Hazardous Substances
Dodecyl Benzene Sulfonic Acid 27176-87-0	1000lb			XXX

**California Proposition 65**

Chemical Name	Hazard Warning
Ethanediol 107-21-1	Birth defects or other reproductive harm

**US State Right-To-Know Regulations**

Chemical Name	CA	NJ	Mass	MinN	NY	RI	PA
Ethylene Glycol Monobutyl Ether 111-76-2	XXX	XXX	XXX	XXX	XXX	XXX	XXX
Dodecyl Benzene Sulfonic Acid 27176-87-0	XXX	XXX	XXX	XXX	XXX	XXX	XXX
Ethanediol 107-21-1	XXX	XXX	XXX	XXX	XXX	XXX	XXX

**16. OTHER INFORMATION**

**NFPA**

Health Hazard: 2  
 Flammability: 0  
 Instability: 0  
 Special Hazards: Acid

**HMIS**

Health Hazard: 2  
 Flammability: 0  
 Physical Hazards: 0  
 Personal Protection: B

**Safety Data Sheet Revision Data**

Original Issue Date: 20 September 2023

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**