

# Safety Data Sheet



Issue Date: 7-20-15

## 1. IDENTIFICATION

**Product Identifier:**

Product Name:

**Force**

Recommended use of the chemical and restrictions on use: Foaming Cleaner

**Safety Data Sheet Supplier Details:**

Manufacturer Address:

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

Company Phone Number:  
Emergency Telephone Number (24 hour)

1-980-309-0569  
INFOTRAC: 1-352-323-3500 (International)  
INFOTRAC: 1-800-535-5053 (North America)

## 2. Hazards Identification

**Classification:**

Skin Corrosion/Irritation	Category 2
Serious Eye Damage/Irritation	Category 2

**Signal Word:** Danger

**Hazard Statements:**

Causes Skin Irritation

Causes Serious Eye Irritation

**Precautionary Statements – Prevention:**

Obtain Special Instructions before use

Do not handle until all safety precautions have been read and understood

Use personal protective equipment as required

Wash face, hands and any exposed skin thoroughly after handling

Avoid breathing fumes/mist/fumes/spray

Contaminated work clothing should be removed immediately and washed prior to reuse

Wear protective gloves

**Precautionary Statements – Response:**

If exposed or concerned: Get medical advice/attention

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do and continue rinsing for 15 plus minutes. If eye irritation persists see physician

IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs, get medical attention.

**Precautionary Statements – Storage:**

Do not store in metal containers. Store at ambient temperatures. Keep from freezing. DO NOT TRANSFER TO UNMARKED CONTAINERS. KEEP AWAY FROM CHILDREN. Store according to local, state and federal laws.

**Precautionary Statements – Disposal:**

Dispose of as recommended by local, state and federal authorities.

**Hazards Not Otherwise Classified (HNOC):**

May be harmful if swallowed. DO NOT INDUCE VOMITING! Drink a large quantity of water, followed by either milk or a minimum of 2 teaspoons of milk of magnesia. Do not attempt to give liquids to an unconscious person. GET IMMEDIATE MEDICAL ATTENTION.

**Other Hazards:**

Toxic to aquatic life with long lasting effects

Toxic to aquatic life

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	CAS No.	Weight %
Dodecyl benzene Sulfonic Acid	27176-87-0	8.5-13.5

#### 4. FIRST-AID MEASURES

##### First Aid Measures:

- General Advice:** If exposed or concerned: Get medical advice/ attention
- Eye Contact:** Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and continue rinsing. If eye irritation persists, get medical attention.
- Skin Contact:** Wash with soap and water. Remove contaminated clothing. Wash contaminated clothing before reuse. If skin irritation continues or rash occurs, get medical attention.
- Inhalation:** Remove to fresh air.
- Ingestion:** Do not induce vomiting. Drink a large quantity of water, followed by either milk or a minimum of 2 teaspoons of milk of magnesia. Do not attempt to give liquids to an unconscious person. Get immediate medical attention!

##### Most important symptoms and effects:

**Symptoms:** May cause skin and eye irritation. Harmful if swallowed.

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

**Notes to physician:** Treat Symptomatically.

#### 5. Fire Fighting Measures

##### Suitable Extinguishing Media:

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable Extinguishing Media:** Not determined.

##### Specific Hazards Arising from the Chemical:

Non-Flammable

##### 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.

##### 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:** Keep in suitable, closed containers for proper disposal.

#### 7. HANDLING AND STORAGE

##### Precautions for safe handling:

**Advice on safe handling:** Wash hands thoroughly after handling. Use personal protective equipment as recommended in Section 8. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid breathing vapors or mists. Contaminated

work clothing should be removed immediately and washed before reuse.

**Conditions for safe storage, including any incompatibilities:**

**Storage Conditions:** Do not store in metal containers. Store at ambient temperatures. Keep from freezing. Do not store in unmarked containers. Keep away from Children.

**Incompatible Materials:** Ferrous metals, aluminum, zinc, magnesium and any other acid sensitive materials.

<b>8. EXPOSURE CONTROL/PERSONAL PROTECTON</b>
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**Appropriate Engineering Controls:**

**Engineering Controls:** Apply technical measures to comply with the occupational exposure limits

**Individual Protection Measures, Such as Personal Protective Equipment:**

**Eye/Face Protection:** Splash Goggles or safety glasses  
**Skin and Body Protection:** Wear suitable protective clothing to avoid skin contact  
**Respiratory Protection:** Ensure adequate ventilation, especially in confined areas  
**General Hygiene Considerations:** Handle in accordance with good industrial hygiene and safety.

<b>9. PHYSICAL AND CHEMICAL PROPERTIES</b>
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**Information on basic physical and chemical properties:**

**Physical State:** Liquid

**Odor:** NA

**Color:** slight yellow

**Odor Threshold:** NA

Property	Values	Remarks-Method
pH	1.5-3.0	
Melting Point/Freezing Point	Not Determined	
Boiling Point/Boiling Range	210 degrees Fahrenheit	
Flash Point	Not Determined	
Evaporation Rate	Not Determined	
Flammability (Solid/Gas)	N/A Liquid	
Upper Flammability Limit	Non-Flammable	
Lower Flammability Limit	Non-Flammable	
Vapor Pressure	Not Determined	
Vapor Density	Not Determined	
Specific Gravity	1	
Water Solubility	Completely Soluble	
Solubility in other solvents	Not Determined	
Partition Coefficient	Not Determined	
Auto-ignition Temperature	Not Determined	
Decomposition Temperature	Not Determined	
Kinematic Viscosity	Not Determined	
Dynamic Viscosity	Not Determined	
Explosive Properties	Not Determined	
Oxidizing Properties	Not Determined	

## 10. STABILITY AND REACTIVITY

**Reactivity:**

Not reactive under normal conditions

**Chemical Stability:**

Stable under recommended storage conditioners

**Possibility of Hazardous Reactions:**

None under normal processing

**Conditions to Avoid:**

Keep out of reach of children

**Incompatible Materials**

Strong Alkaline, Metals, Chlorine Bleach

**Hazardous Decomposition Products**

Sulfur Dioxide, Hydrogen Sulfide, Carbon Dioxide, Carbon Monoxide

## 11. Toxicological Information

**Information on Likely routes of exposure:****Product Information:**

**Eye Contact:** Causes eye irritation.  
**Skin Contact:** Causes skin irritation.  
**Inhalation:** Avoid breathing vapor or mists  
**Ingestion:** Harmful if swallowed

**Component Information:**

Chemical	Oral LD50	Dermal LD50	Inhalation LC50
Dodecyl benzene sulfonic acid 27176-87-0	≈500mg/kg (rat)	—	—

**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:** Not classifiable as a human carcinogen.

## 12. ECOLOGICAL INFORMATION

**Eco-toxicity**

Harmful to aquatic life with long lasting effects.

Chemical	Algae/Aquatic Plants	Fish	Toxicity to Microorganisms	Crustacea
Dodecyl benzene sulfonic acid 27176-87-0	29:96h Pseudokirchneriella subcapitata mg/L EC50	10.8:96h Oncorhynchus mykiss mg/L LC50 static 3.5-10: 96 h Brachydanio rerio mg/L LC50 static		5.88:48 h Daphnia magna mg/L EC50

**Persistence/Degradability:**

Not Determined

**Bioaccumulation:**

Not Determined

**Mobility:**

Not Determined

**Other Adverse Effects:**

Not Determined

### 13. DISPOSAL CONSIDERATIONS

**Waste Treatment Methods:**

**Disposal of Waste:**

Disposal should be in accordance with applicable regional, local and national laws and regulations

**Contaminated Packaging:**

Disposal should be in accordance with applicable regional, local and national laws and regulations

### 14. TRANSPORT INFORMATION

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

**DOT:**

**Proper shipping name** Alkylsulfonic acids, liquid  
**Hazard class 8**  
**UN-No** UN2586  
**Packing Group** III  
**Description** UN2586, Alkylsulfonic acids, liquid,8,PG III

**IATA:**

**UN-No** UN2586  
**Proper shipping name** Alkylsulphonic acids, liquid  
**Hazard Class 8**  
**Packing Group** III  
**ERG Code** 8L  
**Description** UN2586, Alkylsulphonic acids, liquid,8,PG III

**IMDG:**

**Proper shipping name** Alkylsulphonic acids, liquid  
**Hazard Class 8**  
**UN-No** UN2586  
**Packing Group** III  
**EmS No.** F-A, S-B  
**Description** UN2586, Alkylsulphonic acids, liquid,8,PG III

### 15. REGULATORY INFORMATION

**International Inventories:**

Not Determined

**US Federal Regulations:**

**CERCLA**

CHEMICAL NAME	HAZARDOUS SUBSTANCES RQ	CERCLA/SARA RQ	REPORTABLE QUANTITY
Dodecyl benzene sulfonic acid 27176-87-0	1000 lb		RQ 1000 lb final RQ RQ 454 kg final RQ

**SARA 313:** N/A

**CWA (CWA)**

CHEMICAL NAME	CWA – REPORTABLE QUANTITIES	CWA – TOXIC POLLUTANTS	CWA- PRIORITY POLLUTANTS	CWA- HAZARDOUS SUBSTANCES
Dodecyl benzene sulfonic acid 27176-87-0	1000 lb			X

US State Regulations:

US State Right-to-Know Regulations

CHEMICAL NAME	NEW JERSEY	MASSACHUSETTS	PENNSYLVANIA
Dodecyl benzene sulfonic acid 27176-87-0	X	X	X

### 16. OTHER INFORMATION

REGULATORY AGENCY	HEALTH HAZARDS	FLAMMABILITY	PHYSICAL HAZARDS/INSTABILITY	SPECIAL HAZARDS/PERSONAL PROTECTION
NFPA	2	0	0	ACID
HMIS	2	0	0	B

**Proper Shipping Name:** Compounds, Cleaning, Liquid (contains alkyl sulfonic acids, 8, UN2586 PGIII)

**Hazard Class and Label:** 8 (Corrosive)

**UN Code:** UN2586

**Packaging Group:** III