

# Safety Data Sheet



Revision 1 Date: 7-16-2021

## 1. IDENTIFICATION

**Product Identifier:**

Product Name: **Firestorm Shine Orange**

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

**Safety Data Sheet Supplier Details:**

Manufacturer Address:

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

Company Phone Number:	1-980-309-0569
Emergency Telephone Number (24 hour)	INFOTRAC: 1-352-323-3500 (International)
	INFOTRAC: 1-800-535-5053 (North America)

## 2. HAZARDS IDENTIFICATION

Appearance: Orange Viscous Liquid

Physical State: Liquid

Odor: Little to no Odor

**GHS Classification:**

Acute Toxicity:	Harmful if swallowed
Eye Damage	Causes Serious eye damage/irritation
Aquatic Hazard:	Toxic to aquatic life, Long term

**Hazard Statements:**

- Harmful if swallowed (H303)
- Causes eye irritation (H320)
- Toxic to aquatic life (H401)

**GHS Label Element:**

Hazard Pictograms



**Precautionary Statements – Prevention**

Wash face, hands and any exposed skin thoroughly after handling

Avoid release into environment

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.

**3. COMPOSITION**

<b>Chemical Name</b>	<b>CAS No</b>	<b>Weight-%</b>
Dodecyl Benzene Sulfonic Acid	27176-87-0	9.5-18%

\*\*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:** Clean 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: None applicable

### 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 (CO<sub>2</sub>). Carbon Monoxide. Halogenated compounds. Sulfur oxides. 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:** Ferrous metals, aluminum, zinc, magnesium and any other acid sensitive materials.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Exposure Guidelines

Chemical Name	Value Type (form of Exposure)	Control Parameters/Permissible Conc.	Basis
NA	NA	NA	NA

### 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**

<b>Eye/Face Protection:</b>	Safety Glasses, Goggles, Face Shield
<b>Skin and Body Protection:</b>	Wear protective gloves and protective clothing
<b>Respiratory Protection:</b>	Ensure adequate ventilation, especially in confined areas.
<b>General Hygiene:</b>	Handle in accordance with good industrial hygiene and safety practices

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

### **Information on basic physical and chemical properties**

<b>Physical State:</b>	Liquid	<b>Odor:</b>	None
<b>Color:</b>	Orange	<b>Odor Threshold:</b>	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

### Conditions to avoid

Keep out of reach of children.

### Incompatible materials

Strong Alkalines, Metals, Chlorine Bleach

### Hazardous decomposition products

Sulfur Dioxide, Hydrogen Sulfide, Carbon Dioxide, Carbon Monoxide

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

- Eye Contact: Avoid contact with eyes. Causes irritation/burns.
- Skin Contact: May cause mild 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
Dodecyl benzene sulfonic acid 27176-87-0	= 500 mg/kg (Rat)	--	--

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

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

**Carcinogenicity:** This product does not contain any substances that are considered by OSHA, NTP, IARC or ACGIH to be "probable" or "suspected" human carcinogens.

**IARC:** N/A

**OSHA:** N/A

**NTP:** N/A

## 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
Dodecyl benzene sulfonic acid 27176-87-0	19:96h Pseudokirchneriella subcapitata mg/L EC50	10.8:96h Oncorhynchus mykiss mg/L LC50 static 3.5-10: 96h Brachydanio rerio mg/L LC50 static		5.88:48h Daphnia magna mg/L EC50

**Persistence/Degradability:** Not Determined

**Bioaccumulation:** Not Determined

**Mobility in Soil:** Not Determined

**Other Adverse Effects:** Not Determined

## 13. DISPOSAL CONSIDERATIONS

### Waste treatment methods

**Disposal of wastes:** Disposal should be in accordance with local, state, and federal laws and regulations.

**Contaminated Packaging:** 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 Class: 8

Shipping Class: Alkyl Sulphonic Acids, Liquid / with 5% or less free sulfuric acid

UN ID Number: UN2586

Packaging Group: III

Labels: Corrosive

## 15. REGULATORY INFORMATION

### International Inventories

Not Determined

**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:

Chemical Name	Hazardous Substance RQ	CERCLA/SARA RQ	Reportable Quantity
Dodecyl benzene sulfonic acid 27176-87-0	1000lb		RQ 1000 lb RQ RQ 454 kg final RQ

**SARA 313:** N/A

**CWA (Clean Water Act):** N/A

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

This product does not contain any Proposition 65 chemicals.

### US State Right-To-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Dodecyl benzene sulfonic acid 27176-87-0	XXX	XXX	XXX



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## 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 August 2015  
Revision 1 Date: 16 July 2021

### **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**