

# Safety Data Sheet



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## Section 1. Chemical Product and Company Identification

**Product Name** Purple Tornado  
**Product Use** Synthetic detergent and solvent  
**Product Code** 8834  
**Date of Issue** 8/9/2016  
**Supersedes** 3/9/2016

### Emergency Telephone Numbers CHEMTREC- 1-800-424-9300

(For use only in the event of emergencies involving a spill, leak, fire, exposure, or accident involving chemicals)

## Section 2. Hazards Identification

### Emergency Overview

**DANGER**



### Health Hazards

Acute Toxicity; Oral	Category 4
Skin Corrosion/Irritation	Category 1
Serious eye damage/ eye irritation	Category 1

### Precautionary Statements:

P260	Do not breathe in mist/vapors/spray/fumes
P264	Wash hands thoroughly after handling
P270	Do not eat, drink or smoke when handling product
P280	Wear protective gloves, clothing and eye protection
P301+P330+P331+P312	IF SWALLOWED: Rinse mouth. Do not induce vomiting. Call a POISON CENTER or doctor/physician if you feel unwell.
P303+P361+P353	IF ON SKIN (or hair): Remove all contaminated clothing immediately. Rinse skin with water/shower.
P304+P340	IF INHALED: Remove victim to fresh air and keep in a position comfortable for breathing.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P310	Immediately call a poison center or physician
P363	Wash all contaminated clothing before reuse
P405	Store locked up
P501	Dispose of in accordance with all federal, state and local regulations

### Hazard Statements:

H302	Harmful if swallowed
H314	Causes severe skin burns and eye damage

### Routes of Entry Dermal, Oral, and Inhalation

### Acute Effects:

<b>Eyes</b>	Causes irritation or eye damage depending on duration of contact.
<b>Skin</b>	Prolonged or repeated contact may cause irritation and drying of the skin. Product will absorb through skin.
<b>Inhalation</b>	Can cause irritation to the nose and throat.
<b>Ingestion</b>	Nausea, vomiting, and possible damage to mucous membranes.

**Section 3. Composition/Information on Ingredients**

<b>Name of Hazardous Ingredients</b>	<b>CAS Number</b>	<b>% by Weight</b>
Sodium Tripolyphosphate	7758-29-4	<5
Sodium Metasilicate	6834-92-0	<5
Sodium Hydroxide	1310-73-2	<5
Dodecyl Benzenesulfonic Acid	27176-87-0	<10
2-butoxyethanol	111-76-2	<7

**Section 4. First Aid Measures**

<b>Eye Contact</b>	Flush immediately with clean water for 15 minutes. Seek immediate medical attention.
<b>Skin Contact</b>	If irritation occurs, flush with plenty of clean water. Seek medical attention if a rash occurs or if irritation persists.
<b>Inhalation</b>	Remove to fresh air.
<b>Ingestion</b>	Do not induce vomiting. Give several glasses of water. Never give anything to an unconscious person orally. Seek immediate medical attention.

**Section 5. Fire Fighting Measures**

National Fire Protection Association (U.S.A)  
(estimated rating)



<b>Hazardous Combustion Products</b>	CO <sub>2</sub> and some CO
<b>Extinguishing Media</b>	N/A
<b>Unsuitable Extinguishing Media</b>	Wear protective gear. Use water spray to cool fire-exposed containers.
<b>Fire Fighting Procedures</b>	

**Section 6. Accidental Release Measures**

<b>Spill Clean Up</b>	All spilled material must be contained and kept out of waterways, sewers and drains. The spilled chemical should be absorbed with an inert material. Flush cleaned area thoroughly with water.
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**Section 7. Handling and Storage**

<b>Handling and Storage</b>	Keep container tightly closed when not in use. Keep out of the reach of children.
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**Section 8. Exposure Controls/Personal Protection****Exposure Limits**

<b>Product Name</b>	<b>OSHA PEL</b>	<b>NIOSH REL</b>	<b>AIHA WEEL</b>	<b>ACGIH TLV</b>
2-butoxyethanol (111-76-2)	50ppm	5ppm		20ppm
Sodium Hydroxide (1310-73-2)	2mg/m <sup>3</sup>	2mg/m <sup>3</sup>		2mg/m <sup>3</sup>

**Engineering Controls** Local ventilation usually adequate

**Personal Protective Equipment (PPE)**

<b>Eyes</b>	Safety glasses or chemical splash goggles
<b>Body</b>	Rubber or neoprene gloves
<b>Respiratory</b>	Use NIOSH approved respirator if exposure limits are reached or exceeded

**Section 9. Physical and Chemical Properties**

<b>Physical State</b>	Liquid	<b>Explosive Limits</b>	N/A
<b>Color</b>	Blue	<b>Vapor Pressure</b>	23.786 mmHg
<b>Odor</b>	Citrus odor	<b>Vapor Density</b>	Heavier than air
<b>Odor Threshold</b>	N/A	<b>Relative Density</b>	N/A
<b>pH</b>	12.0-14.0	<b>Solubility</b>	Miscible
<b>Freezing Point</b>	N/A	<b>Partition Coefficient</b>	N/A
<b>Boiling Point</b>	212°F	<b>Auto-Ignition Temp.</b>	N/A
<b>Flash Point</b>	None	<b>Decomposition Temp.</b>	N/A
<b>Evaporation Rate</b>	N/A	<b>Viscosity</b>	N/A
<b>Flammability</b>	N/A	<b>Specific Gravity</b>	1.10-1.15

**Section 10. Stability and Reactivity**

<b>Stability and Reactivity</b>	Stable
<b>Incompatibility</b>	None
<b>Hazardous Polymerization</b>	Will not occur
<b>Hazardous Decomposition Products</b>	None known
<b>Conditions to Avoid</b>	N/A

**Section 11. Toxicological Information**

<b>Routes of Entry</b>	Dermal, Oral and Inhalation
<b>Symptoms</b>	Irritation, and possible eye damage
<b>Skin Irritant</b>	Yes
<b>Eye Irritant</b>	Yes
<b>Sensitizers</b>	Not determined
<b>Mutagenicity</b>	No information found
<b>Carcinogenicity</b>	2-butoxyethanol: IARC Group 3 (not classifiable as a human carcinogen)
<b>Reproductive Toxicity</b>	No information found
<b>Target Organs</b>	None

There is no toxicological data for this product as a whole. Based on relevant ingredients with known acute toxicity, the acute toxicity estimate using the additive formula (ATE) has been determined.

**Acute Toxicity**

Test	Results	Basis
<b>Dermal</b>	2,384mg/kg	ATE determined beyond Category 4
<b>Oral</b>	1,332mg/kg	ATE determined Category 4
<b>Inhalation</b>	No data	

**Section 12. Ecological Information**

**Environmental Effects** No ecological information available

**Section 13. Disposal Considerations**

**Waste Information** Dispose of in accordance with all Federal, State and Local pollution control regulations.

## Section 14. Transportation Information

Regulatory Information	UN number	Proper Shipping Name	Classes	Packaging Group	Label Code
DOT Classification	UN1760	Corrosive Liquid, n.o.s. (Sodium Hydroxide , Sodium Metasilicate)	8	PGII	Corrosive

Note: DOT Classification applies to most packaging sizes. For specific container size classifications or for size exceptions, refer to the Bill of Lading with your shipment.

## Section 15. Regulatory Information

**US Federal Regulations** The following substances are listed as a toxic chemical and are subject to report under the SARA act Section 313: 2-butoxyethanol 111-76-2 <7%

The following substances have CERCLA reportable quantity values (in pounds):

<b>Sodium Hydroxide</b>	<b>1310-73-2</b>	<b>1,000</b>
<b>Dodecyl Benzenesulfonic Acid</b>	<b>27176-87-0</b>	<b>1,000</b>

**State Regulations** None

## Section 16. Other Information

**Last Revision** 8/9/2016

The information contained herein is based on the data available to us and is believed to be accurate. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. We assume no responsibility for injuries from the use of the product described herein.