

# Safety Data Sheet



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## Section 1. Chemical Product and Company Identification

**Product Name** TW  
**Product Use** Caustic Surfactant Cleaner  
**Product Code** 9770  
**Date of Issue** 11/12/20  
**Supersedes** 3/14/18

**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

Skin Corrosion/Irritation Category 1  
Serious eye damage/ eye irritation Category 1

### Physical Hazards

Corrosive to Metals Category 1

### Precautionary Statements:

P234 Keep only in original container.  
P260 Do not breathe in mist/vapors/spray/fumes  
P264 Wash hands thoroughly after handling  
P280 Wear protective gloves, clothing and eye protection  
P301+P330+P331 IF SWALLOWED: Rinse mouth. Do not induce vomiting.  
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  
P390 Absorb spillage to prevent material damage.  
P405 Store locked up  
P404 Store in a closed container.  
P501 Dispose of in accordance with all federal, state and local regulations

### Hazard Statements:

H290 Maybe Corrosive to Metals  
H314 Causes severe skin burns and eye damage

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

### Acute Effects:

**Eyes** Can cause irritation to serious eye damage. Severity increases with duration of contact.  
**Skin** Can cause irritation to burns depending on duration of contact.  
**Inhalation** Can cause irritation and burns to respiratory tract.  
**Ingestion** Do not take internally. Will cause burning of the digestive tract. Corrosive to the mucous membranes of the mouth, throat, esophagus and stomach. Causes burns, nausea, and vomiting with gastrointestinal disorder.

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

<b>Name of Hazardous Ingredients</b>	<b>CAS Number</b>	<b>% by Weight</b>
Potassium Hydroxide	1310-58-3	<5
2-butoxyethanol	111-76-2	<5
Sodium Tripolyphosphate	7758-29-4	<5
Dodecyl Benzenesulfonic Acid	27176-87-0	<5

**Section 4. First Aid Measures**

<b>Eye Contact</b>	Flush immediately with plenty of water. Seek medical attention if irritation persists.
<b>Skin Contact</b>	Flush immediately with plenty of soap and water. Seek medical attention if a rash occurs or if irritation persists.
<b>Inhalation</b>	Remove to fresh air. Begin CPR if breathing has stopped and seek immediate medical attention.
<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>	None
<b>Extinguishing Media</b>	Media applicable to surrounding fire
<b>Unsuitable Extinguishing Media</b>	N/A
<b>Fire Fighting Procedures</b>	Wear protective gear. Use water spray to cool fire-exposed containers

**Section 6. Accidental Release Measures**

**Spill Clean Up** 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.

**Section 7. Handling and Storage**

**Handling and Storage** Keep container tightly closed when not in use. Store product indoors and keep from freezing. Keep out of the reach of children. Have eyewash accessible to use in handling area.

**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>
Potassium Hydroxide (1310-58-3)		2mg/m <sup>3</sup>		2mg/m <sup>3</sup>
2-butoxyethanol (111-76-2)	50ppm	5ppm		20ppm

**Engineering Controls** Use in a well-ventilated area

**Personal Protective Equipment (PPE)**

<b>Eyes</b>	Safety glasses or chemical splash goggles
<b>Body</b>	Rubber or neoprene gloves
<b>Respiratory</b>	Not required unless TLV is exceeded. Use in a well-ventilated area

**Section 9. Physical and Chemical Properties**

<b>Physical State</b>	Liquid	<b>Explosive Limits</b>	N/A
<b>Color</b>	Red-Orange	<b>Vapor Pressure</b>	N/A
<b>Odor</b>	Mild odor	<b>Vapor Density</b>	N/A
<b>Odor Threshold</b>	N/A	<b>Relative Density</b>	N/A
<b>pH</b>	13.0-14.0	<b>Solubility</b>	Complete
<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>	Not combustible	<b>Decomposition Temp.</b>	N/A
<b>Evaporation Rate</b>	1	<b>Viscosity</b>	N/A
<b>Flammability</b>	Non-Flammable	<b>Specific Gravity</b>	1.065-1.085

**Section 10. Stability and Reactivity**

<b>Stability and Reactivity</b>	Stable
<b>Incompatibility</b>	Acids and soft metals such as aluminum and copper.
<b>Hazardous Polymerization</b>	Will not occur
<b>Hazardous Decomposition Products</b>	None
<b>Conditions to Avoid</b>	N/A

**Section 11. Toxicological Information**

<b>Routes of Entry</b>	Dermal, oral and inhalation
<b>Symptoms</b>	Irritation to burns
<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 (111-76-2): 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>	13,401 mg/kg	ATE determined beyond Category 4
<b>Oral</b>	6,469 mg/kg	ATE determined beyond Category 4
<b>Inhalation</b>	6.77 mg/l	ATE determined beyond Category 4

**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	UN1814	Potassium Hydroxide Solution	8	PGII	

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**

<b>US Federal Regulations</b>	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	<5%
	The following substances have CERCLA reportable quantity values (in pounds):	<b>Potassium Hydroxide</b>	<b>1310-58-3</b>	<b>1,000</b>
		<b>Dodecyl Benzenesulfonic Acid</b>	<b>27176-87-0</b>	<b>1,000</b>
<b>State Regulations</b>	None			

**Section 16. Other Information**

**Last Revision** 11/12/20

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.