

# Safety Data Sheet



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## Section 1. Chemical Product and Company Identification

**Product Name** HT 78  
**Product Use** Caustic, Surfactant Cleaner  
**Product Code** 8500  
**Date of Issue** 12/3/2015  
**Supersedes** -

### 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 3
Acute Toxicity; Dermal	Category 4
Skin Corrosion/Irritation	Category 1
Serious eye damage/ eye irritation	Category 1

### Precautionary Statements:

P260	Do not breathe in mist or spray.
P264	Wash hands thoroughly after handling.
P270	Do not eat, drink or smoke while using this product
P280	Wear protective gloves and eye protection.
P301+330+P331+P310	IF SWALLOWED: rinse mouth. Do NOT induce vomiting. Call a poison center or physician if you feel unwell.
P303+P361+P353	IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340	IF INHALED: Remove victim to fresh air and Keep at rest 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 contaminated clothing before reuse
P405	Store locked up
P501	Dispose of in accordance with all federal, state and local pollution control regulations

### Hazard Statements:

H301	Toxic if swallowed
H314	Causes severe skin burns and eye damage
H312	Harmful in contact with skin

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

### Acute Effects:

<b>Eyes</b>	Causes irritation to serious eye damage. Severity increases with duration of contact.
<b>Skin</b>	Can cause skin burns and tissue damage.
<b>Inhalation</b>	Will cause severe irritation and burns to respiratory tract.
<b>Ingestion</b>	Corrosive to the mucous membranes of the mouth, throat, esophagus and stomach. Causes burns, nausea, and vomiting with gastrointestinal disorder. Can be fatal if swallowed.

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

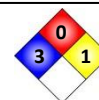
<b>Name of Hazardous Ingredients</b>	<b>CAS Number</b>	<b>% by Weight</b>
Sodium Hydroxide	1310-73-2	<70
Sodium Nitrite	7632-00-0	<3
Sodium Gluconate	527-07-1	<5
Sodium Tripolyphosphate	7758-29-4	<5

**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>	Flush with plenty of clean water; use soap if available. Remove contaminated clothing and shoes and water before reuse. Seek medical attention if a rash occurs or if irritation continues.
<b>Inhalation</b>	Remove person to fresh air.
<b>Ingestion</b>	Do not induce vomiting. Give several glasses of water. Never give anything orally to an unconscious person. Seek medical attention immediately.

**Section 5. Fire Fighting Measures**

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



<b>Hazardous Combustion Products</b>	N/A
<b>Extinguishing Media</b>	N/A
<b>Unsuitable Extinguishing Media</b>	N/A
<b>Fire Fighting Procedures</b>	Use personal protective equipment. Use water spray to cool fire-exposed containers.

**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. Store product indoors in a dry area. Keep out of the reach of children. Provide an eyewash station accessible for use in the product handling area.
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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>
Sodium Hydroxide (1310-73-2)	2mg/m <sup>3</sup>	2mg/m <sup>3</sup>		2mg/m <sup>3</sup>

**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; rubber apron
<b>Respiratory</b>	A dust mask is recommended

**Section 9. Physical and Chemical Properties**

<b>Physical State</b>	Solid	<b>Explosive Limits</b>	N/A
<b>Color</b>	Tan	<b>Vapor Pressure</b>	N/A
<b>Odor</b>	Moderate, caustic odor	<b>Vapor Density</b>	Heavier than air
<b>Odor Threshold</b>	N/A	<b>Relative Density</b>	N/A
<b>pH</b>	13-14	<b>Solubility</b>	Complete
<b>Freezing Point</b>	N/A	<b>Partition Coefficient</b>	N/A
<b>Boiling Point</b>	N/A	<b>Auto-Ignition Temp.</b>	N/A
<b>Flash Point</b>	N/A	<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>	N/A

**Section 10. Stability and Reactivity**

<b>Stability and Reactivity</b>	Stable
<b>Incompatibility</b>	Soft metals and acids
<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>	Causes 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>	None
<b>Reproductive Toxicity</b>	No information found
<b>Target Organs</b>	See section 2

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>	1,376mg/kg	ATE determined Category 4
<b>Oral</b>	155mg/kg	ATE determined Category 3
<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
<b>DOT Classification</b>	UN1823	Sodium Hydroxide Solid mixture	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: None

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

<b>Sodium Hydroxide</b>	<b>1310-73-2</b>	<b>1,000</b>
<b>Sodium Tripolyphosphate</b>	<b>7758-29-4</b>	<b>5,000</b>

**State Regulations** None

**Section 16. Other Information**

**Last Revision** 12/3/2015

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.