



Revision Date - 02/26/2013

Product - CT - 535 UNCLOG II

## SAFETY DATA SHEET

For Chemical Emergency Spill, Leak, Fire Exposure or Accident  
Call INFOTRAC Day or Night

North America: 800-535-5053 International (collect calls accepted): 1-352-323-350

### Section 1 – Product And Company Information

Supplier's Name: ChemTron  
Supplier's Address: 3901 SW 47TH AVE, # 400, DAVIE, FL, 33314, USA  
Product Name: UNCLOG II  
Product Number: CT - 535

DOT Proper Shipping/ Hazard Name (49 CFR 172.101): Sodium Hydroxide, Solid  
DOT ID # (49 CFR 172.101): UN 1823  
DOT Hazard Class (49 CFR 172.101): Class 8, PGII

FLAMMABILITY (Red): NFPA: 0 HMIS: 0  
HEALTH (Blue): NFPA: 3 HMIS: 3  
REACTIVITY (Yellow): NFPA: 1 HMIS: 2  
Personal Protection (HMIS)= C

### Section 2 – Health Hazard Identification

Primary Route of Exposure: Skin and eyes.

#### Effects of Acute Overexposure:

**Skin:** Contact can cause severe irritation, burns, defatting of skin.

**Eyes:** Can cause severe irritation, redness, tearing, blurred vision or loss of vision.

**Breathing:** Excessive inhalation of vapors can cause nasal and respiratory irritation.

**Swallowing:** Can cause gastrointestinal irritation, nausea, vomiting, diarrhea and burning of the digestive ways.

Effects of Chronic Overexposure: None known.

### Section 3 – Components

Component	CAS#	%	ACGIH(TLV-TWA)	OSHA (TWA)
Sodium Hydroxide	1310-73-2	—(proprietary formula)	2 mg/m3	2mg/m3

### Section 4 - First Aid Measures

**If On Skin:** Thoroughly wash exposed area with soap and water remove contaminated clothing. Launder before reuse. If necessary, neutralize with vinegar solution or lemon and, if irritation persists, see a doctor.

**If In Eyes:** Flush with large amounts of water, lifting upper and lower lids occasionally. Neutralize with lemon juice or vinegar. Seek medical attention immediately.

**If Breathed:** If affected, remove individual to fresh air. If breathing is difficult, administer oxygen. Keep person warm and quiet. Get medical attention.

**If Swallowed:** Do not induce vomiting. Drink lemon juice. Keep person warm, quiet and seek immediate medical attention.

### Section 5 – Fire Fighting Measures

Flash Point: None

Flammable Limits in Air: Upper: NAP Lower: NAP

Extinguishing Media: Regular foam, carbon dioxide, dry chemical, for surrounding fire.

Hazardous Decomposition Products: May form corrosive fumes and Carbon Oxides.

Firefighting Procedures: Wear self-contained breathing apparatus with a full facepiece operated in the positive pressure demand mode when fighting fires.

Special Fire and Explosion Hazards: None

### Section 6 - Accidental Release Measures

#### Personal Precautions:

For personal protection see section 8. Persons not wearing protective equipment should be excluded from the area of the spill until cleanup has been completed.

#### Environmental Precautions:

Prevent from entering drains, sewers, streams or other bodies of water. Prevent from spreading. If runoff occurs notify authorities as required.

#### Methods for Cleaning Up Spills:

**Small Spill:** Pick up with spoon or spatula as directed by local regulatory norms. Can be neutralized with weak acids.

**Large Spill:** Stop spill at source. Collect with shovel or spatula. Pump or vacuum transfer spilled product to clean containers for recovery. Dispose according to local, state, and federal regulations.

### Section 7 – Storage & Handling

#### KEEP OUT OF REACH OF CHILDREN

For industrial and institutional use only. Store in a cool, dry, well - ventilated area. Do not store at temperatures in excess of 120°F for prolonged periods.

Always store in original container. Keep container tightly closed. Follow all label instructions and precautions.

## **Section 8 - Exposure Control / Personal Protection**

**Respiratory Protection:** If workplace exposure limits product or any component is exceeded, a NIOSH/MSHA approved air supplied respirator is advised in absence of proper environmental control. OSHA regulations also permit other NIOSH/MSHA respirators (negative pressure types) under specified conditions. Engineering or administrative controls should be implemented to reduce exposure.

**Ventilation:** Provide sufficient mechanical ventilation to maintain exposure below TLV.

**Protective Gloves:** Rubber, neoprene or other resistant elastomer.

**Eye Protection:** Chemical splash resistant goggles

**Other Protective Clothing & Equipment:** Rubber aprons and boots when working with large quantities.

## **Section 9-Physical And Chemical Properties**

**Boiling Point:** 2530 °F

**Vapor Pressure:** ND

**Solubility in Water:** Complete

**% Volatile:** 5-10 %

**Specific Gravity (H<sub>2</sub>O =1):** Solid, 0.97 gr/cc

**Vapor Density:** (Air=1): ND

**Appearance:** Orange color granules with citrus odor.

**pH :** 14

## **Section 10 – Stability And Reactivity Information**

**Stability:** Stable

**Incompatibility (Materials to Avoid):** Metals, oxidizing/reducing agents, moisture, acids.

**Hazardous Polymerization:** Will not occur

**Conditions To Avoid:** Moisture

## **Section 11 - Toxicological Information**

**Oral Toxicity:** Sodium Hydroxide- (LDL) 500 mg/kg [Rabbit]

**Inhalation Toxicity:** No data

**Dermal Toxicity:** No data

**Irritancy of Product:** This product is irritating to the skin, eyes, respiratory, and digestive tract.

## **Section 12 - Ecological Information**

**Toxicity:** No data

**Persistence and Degradability:** Possible hazardous short term degradation products are not likely. However, long term degradation products may arise.

**Bio-accumulative Potential:** The products of degradation are less toxic than the product itself.

**Other Adverse Effects:** No data.

## **Section 13 - Disposal Considerations**

**Waste Disposal Method:**

Disposal should be made in accordance with federal, state, and local regulations.

## **Section 14 - Transport Information**

**DOT Proper Shipping/ Hazard Name (49 CFR 172.101):** Sodium Hydroxide, Solid

**DOT ID # (49 CFR 172.101):** UN 1823

**DOT Hazard Class (49 CFR 172.101):** Class 8, PGII

**Marine Pollutant:** No data

**International Air Transport Association Shipping Information (IATA):** UN 1823, Sodium Hydroxide, Solid, Class 8, PGII

**International Maritime Organization Shipping Information (IMO):** UN 1823, Sodium Hydroxide, Solid, Class 8, PGII

## **Section 15 - Regulatory Information**

**Federal and State Regulations:** Illinois toxic substances disclosure to employee act: Sodium hydroxide Illinois chemical safety act: Sodium hydroxide New York release reporting list: Sodium hydroxide Rhode Island RTK hazardous substances: Sodium hydroxide Pennsylvania RTK: Sodium hydroxide Minnesota: Sodium hydroxide Massachusetts RTK: Sodium hydroxide New Jersey: Sodium hydroxide Louisiana spill reporting: Sodium hydroxide California Director's List of Hazardous Substances: Sodium hydroxide TSCA 8(b) inventory: Sodium hydroxide

**CERCLA:** Hazardous substances.: Sodium hydroxide: 1000 lbs. (453.6 kg)

**OSHA:** Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200). EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances

**FLAMMABILITY (Red): NFPA:** 0 **HMIS:** 0

**HEALTH (Blue): NFPA:** 3 **HMIS:** 3

**REACTIVITY (Yellow): NFPA:** 1 **HMIS:** 2

**Personal Protection (HMIS)=** C

## **Section 16 – Special Precautions Or Other Comments**

**Corrosive!** Wash hands with soap and water after use. Avoid contact with open wounds. Although information contained herein is believed to be correct as of the date of this document, ChemTron makes no representation as to the completeness or accuracy of such information. ChemTron shall in no event be responsible for any damages directly or indirectly from use of or reliance on this information. This information is provided solely to assist the customer with the Occupational Safety and Health Act of 1970 and The Right to Know regulations. Any other use is prohibited.

**Prepared by:**

**Email:**

E. Malaguti

emalaguti@chemtron.com

## **Legend:**

**NE:** Not Evaluated

**ND:** Not Determined

**NA:** Not Available

**NAP:** Not Applicable

**NR:** Not Regulated