

# Material Safety Data Sheet

## Provided by:

DPC Industries, Inc.      DX Distributors, Inc.  
DPC Enterprises          DX Systems Company  
DXI Industries, Inc.      DX Terminals

PO Box 24600  
Houston, Tx 77229-4600  
281-457-4888  
888-647-7717  
www.dxgroup.com

## SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product Name** CAUSTIC SODA ANHYDROUS

**Synonyms** SODIUM HYDROXIDE

**Chemical Name** CAUSTIC SODA ANHYDROUS

**Emergency phone:** 281-457-4888

**Date of Issue:** 10/01/00

**Chemtrec:** 800-424-9300

**Revised Date:** N/A

## SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENTS	PERCENT	CAS NO.
SODIUM HYDROXIDE	> 95%	1310-73-2

## SECTION 3 - HAZARDS IDENTIFICATION

### Potential Health Effects

**ACGIH - TLV:** 2 mg/cu M

**Eye Contact** CONTACT MAY CAUSE SEVERE DAMAGE INCLUDING BURNS AND BLINDNESS.

**Skin Contact** CONTACT CAUSES SEVERE SKIN IRRITATION AND POSSIBLE BURNS.

**Ingestion** CORROSIVE AND MAY CAUSE SEVERE AND PERMANENT DAMAGE TO MOUTH, THROAT AND STOMACH.

**Inhalation** MAY CAUSE RESPIRATORY TRACT IRRITATION.

**Carcinogenicity:** NTP NO IARC NO OSHA NO

## SECTION 4 - FIRST AID PROCEDURES

**Eye Contact:** IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES WHILE HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION.

**Skin Contact:** IMMEDIATELY REMOVE CONTAMINATED CLOTHING OR SHOES, WIPE EXCESS FROM SKIN AND FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. USE SOAP IF AVAILABLE OR FOLLOW BY WASHING WITH SOAP AND WATER. DO NOT REUSE CLOTHING UNTIL THOROUGHLY CLEANED. GET MEDICAL ATTENTION.

**Inhalation:** REMOVE VICTIM TO FRESH AIR AND PROVIDE OXYGEN IF BREATHING IS DIFFICULT. GIVE ARTIFICIAL RESPIRATION IF NOT BREATHING. GET MEDICAL ATTENTION.

**Ingestion:** DO NOT INDUCE VOMITING. RINSE MOUTH WITH WATER. IF CONSCIOUS, GIVE LARGE QUANTITIES OF WATER OR MILK AND GET IMMEDIATE MEDICAL ATTENTION. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON!

## SECTION 5 - FIRE FIGHTING MEASURES

**Flash Point** NOT APPLICABLE

**Extinguishing Media** USE MEDIA APPROPRIATE FOR SURROUNDING MATERIALS. USE WATER SPRAY TO KEEP FIRE-EXPOSED CONTAINERS COOL.

**Special Firefighting  
Procedures/Precuations**

WEAR SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE GEAR. STAY UPWIND AND KEEP OUT OF LOW AREAS.

**SECTION 6 - ACCIDENTAL RELEASE MEASURES**

**For Spill:** EVACUATE UNNECESSARY PERSONNEL. SWEEP UP OR VACUUM AND PLACE IN CONTAINER FOR DISPOSAL. PREVENT DISCHARGES INTO WATERWAYS AND SEWERS. NEUTRALIZE REMAINING TRACES WITH ANY DILUTE INORGANIC ACID. FLUSH AREA WITH WATER.

**SECTION 7 - HANDLING AND STORAGE**

Keep container tightly closed when not in use. Store in a cool, dry, well-ventilated area, away from heat and incompatible materials. Protect containers from physical damage.

AVOID STORING NEXT TO STRONG ACIDS. IF PRODUCT IS ADDED TO RAPIDLY, OR WITHOUT STIRRING, AND BECOMES CONCENTRATED AT BOTTOM OF MIXING VESSEL, EXCESSIVE HEAT MAY BE GENERATED, RESULTING IN DANGEROUS BOILING AND SPLATTERING, AND A POSSIBLE IMMEDIATE AND VIOLENT REACTION.

**SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION**

- Respiratory Protection** USE A NIOSH/MSHA APPROVED RESPIRATOR FOLLOWING MANUFACTURER'S RECOMMENDATIONS.
- Ventilation** LOCAL AND MECHANICAL RECOMMENDED.
- Protective Gloves** CHEMICAL IMPERVIOUS GLOVES.
- Eye/Face Protection** CHEMICAL SAFETY GOGGLES AND/OR FULL-FACE SHIELD.
- Other Protection** CHEMICAL RESISTANT CLOTHING SUCH AS COVERALLS/APRON, BOOTS, ETC. EMERGENCY SHOWER AND EYEWASH FACILITY SHOULD BE IN CLOSE PROXIMITY.
- Work Practices** USE GOOD PERSONAL HYGIENE PRACTICES. WASH HANDS BEFORE EATING, DRINKING, SMOKING, OR USING TOILET FACILITIES. PROMPTLY REMOVE SOILED CLOTHING AND WASH THOROUGHLY BEFORE REUSE. SHOWER AFTER WORK USING PLENTY OF SOAP AND WATER.

**SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

<b>Boiling Point (°F):</b> 2534	<b>Vapor Pressure (mmHg):</b>	NOT APPLICABLE
<b>Freezing Point (°F):</b> 590 - 608	<b>Vapor Density (Air=1):</b>	NOT APPLICABLE
<b>Solubility (H2O):</b> COMPLETE	<b>Specific Gravity (H2O=1):</b>	2.130
<b>pH</b> 14	<b>Evaporation Rate:</b>	NOT APPLICABLE
<b>Appearance/Odor:</b>	WHITE OR OFF-WHITE SOLID WITH NO APPRECIABLE ODOR.	

**SECTION 10 - STABILITY AND REACTIVITY**

- Chemical Stability:** YES
- Incompatible Materials** WATER, ACIDS, METALS, ORGANIC MATERIALS, AND REDUCING SUGARS (FRUCTOSE).
- Decomposition Products** NONE KNOWN.
- Hazardous Polymerization:** WILL NOT OCCUR.

**SECTION 11 - TOXICITY INFORMATION**

ACUTE ORAL LD50 (rabbit) = 500 MG/KG

**SECTION 12 - ECOLOGICAL INFORMATION**

LC50/96HR/BLUEGILL/240 UG/L

**SECTION 13 - DISPOSAL CONSIDERATIONS**

DISPOSE OF WASTE MATERIALS ACCORDING TO ALL FEDERAL, STATE AND LOCAL REGULATIONS.

**SECTION 14 - TRANSPORT INFORMATION**

**USA DOT Shipping Name:** SODIUM HYDROXIDE, SOLID

**Hazard Class:** 8

**UN/NA Number:** UN1823

**Packing Group:** II

**Subsidiary Hazard**

**Marine Pollutant:** NO

**SECTION 15 - REGULATORY INFORMATION**

**CERCLA RQ (lbs):** 1000

**SARA Title III Section 312:**

**Acute**     **Chronic**     **Flammable**     **Sudden Release of Pressure**     **Reactive**

**SARA Title III Section 313:** No

**SARA Extremely Hazardous Substance:** No

**HMIS HAZARD RATING**

**Health:** 3                      **Fire:** 0                      **Reactivity:** 1

**0 - Least    1 - Slight    2 - Moderate    3 - High    4 - Extreme**

**SECTION 16 - OTHER INFORMATION**

**EPA Pesticide Registration Number:** NOT APPLICABLE

**NSF Maximum Use Level for Potable Water (Standard 60):** NOT APPLICABLE

**TSCA (Toxic Substance Control Act), 40 CFR 710:**

Sources of the raw materials used in this mixture assure that all chemical ingredients present are in compliance with Section 8(b) Chemical Substance Inventory, or are otherwise in compliance with TSCA.

**DISCLAIMER**

THE DATA PRESENTED IS TRUE AND CORRECT TO THE BEST OF OUR KNOWLEDGE AND BELIEF; HOWEVER, NEITHER SELLER NOR PREPARER MAKES ANY WARRANTIES, EXPRESSED OR IMPLIED, CONCERNING THE INFORMATION PRESENTED. THE USER IS CAUTIONED TO PERFORM HIS OWN HAZARD EVALUATION AND TO RELY UPON HIS OWN DETERMINATIONS.