

# MATERIAL SAFETY DATA SHEET

Product Name : 793

Date Issued : January 17, 2012

## SECTION 1 : PRODUCT AND COMPANY IDENTIFICATION

Product Name: 793

Chemical Synonym / C# : c793

Formula : Multi-component mixture

Chemical Family: Strong alkaline detergent

Supplier : Specialty Chemicals Inc. 208 Widedon Landing Hilton, NY 14468

Information Telephone : (585)752-2320

Emergency Telephone : (607)529-3218

## SECTION 2 : COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Ingredient(s)	CAS #	% (w/w)	ACGIH TLV (mg/m3)	
			TWA	STEL
Sodium Hydroxide	1310-73-2	< 30.0	-	2 (ceiling)

Unlisted components are considered non-hazardous as per 29CFR1910.1200g2C. See section 15 for specific state right-to-know information if applicable.

## SECTION 3 : HAZARD IDENTIFICATION

**Emergency Overview** :Corrosive! Harmful: possible risk of irreversible effects through inhalation, in contact with skin, and if swallowed. Causes severe burns on contact. Mists and vapors are irritating to the eyes, respiratory system and skin. Reacts with some metals to liberate hydrogen gas which can form explosive mixtures with air. May react with some incompatibles violently, explosively, or form spontaneously combustible compounds. Toxic to aquatic organisms. Read the entire MSDS for a more thorough evaluation of the hazards.

**POTENTIAL HEALTH EFFECTS:** Acute: Corrosive to all body tissues with which it comes in contact. Chronic: The chronic local effect may consist of multiple areas of superficial destruction of the skin or of primary irritant dermatitis.

**Inhalation:** Inhalation of dust, spray, or mist may result in varying degrees of irritation or damage to the respiratory tract tissues and an increased susceptibility to respiratory illness.

**Skin Contact:** May cause severe burns or severe tissue damage upon prolonged contact.

**Eye Contact:** May cause severe burns. May cause blindness or severe tissue damage upon prolonged contact.

**Ingestion:** May cause severe burns if ingested.

## SECTION 4 : FIRST AID MEASURES

### **General:**

**Eye Contact:** Promptly flush repeatedly with water for at least 15 minutes while holding lids apart. Seek attention of a physician at once!

**Skin Contact:** Flush contacted area repeatedly with water, if irritation persists, see a physician for treatment. Launder contaminated clothing before reuse.

**Inhalation:** Move victim to fresh air. Seek medical attention.

**Ingestion:** If conscious, give large volumes of water. DO NOT INDUCE VOMITING! Seek medical aid!

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## SECTION 5 : FIRE FIGHTING MEASURES

**Flash Point :** None    **Method Used:** N/A    **Flammable Limits:**    **LEL =** N/A    **UEL =** N/A

**Extinguishing Media:** None required.

**Fire Fighting Procedures:** Use caution when fighting any fire. Adequate respiratory protection is essential!

**Unusual Fire and Explosion Hazards:** None known.

## SECTION 6 : ACCIDENTAL RELEASE MEASURES

**Steps to be taken in case material is released or spilled:** Wear a respirator, and suitable protective clothing!

**Small Spill:** Neutralize with suitable acid such as dilute HCl. Absorb with suitable absorbant such as sand or vermiculite.

**Large Spill:** Stop leak at source, and contain spill with a dike of sand. Pump contained material to approved container for disposal.

**Deactivating Chemicals:** Neutralize carefully with weak acid, such as HCl, to a pH of 6 - 9.

## SECTION 7 : HANDLING AND STORAGE

**Handling:** Handle with caution. Wash thoroughly after handling. For industrial use only! An eye/face and body deluge shower is required in the immediate work area.

**Storage Requirements:** Store in a dry area. Keep container sealed when not in use. Store away from acids.

## SECTION 8 : EXPOSURE CONTROLS / PERSONAL PROTECTION

**Respiratory Protection:** Use NIOSH mask for fumes and mist if ventilation is inadequate.

**Ventilation / Local Exhaust :** Advisable to maintain below TLV requirements.

**Ventilation / Mechanical Recommendations:** Inlet near surface.

**Skin Protection:** Rubber or vinyl protective gloves.

**Eye Protection:** Splash goggles.

**Other Protective Equipment:** Vinyl apron and rubber boots.

**Exposure Guidelines:** See section 2 for ACGIH recommendations for each hazardous ingredient.

## SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

**Appearance / Odor:** Dark brown liquid, odor nil.

**Water Solubility:** Complete

**pH (1%):** > 12.0

**Specific Gravity:** 1.30    **Boiling Point (°F):** 212+

**Evaporation Rate(water=1):** N/A

**% volatile:** N/A

**Vapor Density(air=1):** N/A

**Vapor Pressure(mmHg):** N/A

## SECTION 10 : STABILITY AND REACTIVITY

**Hazardous Decomposition Products:** None

**Chemical Stability:** Stable

**Conditions to Avoid:** Hydrogen gas evolves upon contact with some metals.

**Incompatibility with other Substances:** Strong acids, soft metals.

**Hazardous Polymerization:** will not occur.

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## SECTION 11 : TOXICOLOGICAL INFORMATION

**Toxicological Data:** Acute dermal LD50 1.35g/kg(rabbit) as Sodium Hydroxide.

**Carcinogenicity:** The ingredients of this product are not classified as carcinogenic by ACGIH, IARC, OSHA, or NTP.

## SECTION 12 : ECOLOGICAL INFORMATION

**Exotoxicological Information:** Can cause damage to vegetation. Toxicity is primarily associated with pH. Toxic to aquatic life.

**Environmental Effects:** Can be dangerous if allowed to enter drinking water intakes. Do not contaminate domestic or irrigation water supplies, lakes, streams, ponds, or rivers.

**Persistence and Degradation:** Degrades readily by reacting with natural carbon dioxide in the air. Does not bioaccumulate.

## SECTION 13 : DISPOSAL CONSIDERATIONS

**Waste Disposal Method:** Spent solutions cannot be sent to sewer without neutralization. If waste treatment facility is available, neutralize with diluted HCl to an acceptable pH. If not, contact a permitted waste hauler to dispose of in accordance with local, state, and federal regulations.

**Is the unused product a RCRA hazardous waste (40CFR261.33) if discarded? No**  
**If yes, the RCRA ID number is : N/A**

## SECTION 14 : TRANSPORTATION INFORMATION

**Transportation Emergency Telephone Number:** 3E 24 hour number : (866)302-6855\*

\*Please refer to c# referenced in section 1 of this msds.

**DOT Proper Shipping Name:** Sodium Hydroxide Solution

**DOT Hazard Class / Product Identification Number / Packing Group / DOT Label:**  
8 / UN1824 / PGII / Corrosive

## SECTION 15 : REGULATORY INFORMATION

**OSHA CLASSIFICATION (USA):**

**Physical:** Corrosive

**Health:** Corrosive. Eye hazard.

**Target Organ:** Corrosive to mucus membranes, eyes, skin, respiratory tract, and gastro intestinal tract. All systemic symptoms are thought to be secondary to local tissue injury and shock.

**US FEDERAL REGULATIONS :**

**TSCA (Toxic Substances Control Act) Status :** TSCA (United States) The intentional ingredients of this product are listed.

**CERCLA RQ - 40 CFR 302.4(a) :**

**Component**

SODIUM HYDROXIDE

**RQ (lbs)**

1000

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**SARA 302 Components - 40 CFR 355 Appendix A**  
**Section 302 Component(s)**      **TPQ (lbs)**      **RQ (lbs)**  
none

**SARA 311/312 Classification - 40 CFR 370.2 :**  
Immediate, Reactive (as Sodium Hydroxide)

**SARA 313 Components - 40 CFR 372.65:**  
**Section 313 Component(s)**      **CAS #**      **%**  
None

## INTERNATIONAL REGULATIONS:

**Canada :** WHMIS Hazard Class : D1B, E (as Sodium Hydroxide).

## STATE AND LOCAL REGULATIONS:

**Other Regulations / Legislation which apply to this product:** (as Sodium Hydroxide) Florida, New Jersey Special Health Hazard Substance List, Minnesota Hazardous Substance, California Director's List of Hazardous Substances, Pennsylvania Right-to-Know Special, Rhode Island Hazardous Substance List, Massachusetts Right-to-Know, Pennsylvania Right-to-Know, New Jersey Right-to-Know, CERCLA.

## SECTION 16 : OTHER INFORMATION

**NFPA Rating :**      **HEALTH: 3**      **FLAMMABILITY: 0**      **REACTIVITY: 1**  
NFPA hazard degree designation 704: 4 = extreme, 3 = high, 2 = moderate, 1 = slight, 0 = none.

*Information and data compiled to compose this MSDS is correct to the best of our knowledge as of the printed date, and is offered solely for your consideration, investigation, and verification.*