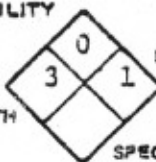




EMERGENCY PHONE (203) 356-2345
 Olin Corporation, 120 Long Ridge Road
 Stamford, Conn. 06904

FLAMMABILITY

HEALTH



REACTIVITY

HAZARD RATING

SPECIAL

MATERIAL SAFETY DATA

SECTION I - IDENTIFICATION

CHEMICAL NAME & SYNONYMS Sodium Hydroxide 50% Commercial Grade		
CHEMICAL FAMILY Alkali	FORMULA NaOH	TRADE NAME Caustic Soda 50% Commercial Grade
DESCRIPTION Clear colorless solution		CAS NO. 1310-73-2

SECTION II - NORMAL HANDLING PROCEDURES

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE Do not get in eyes, on skin, or on clothing. Do not take internally. Avoid breathing mist. Store in a cool, well ventilated place. Separate from acids, metals and explosives.	
CORROSIVE ACTION ON MATERIALS (Metals, Plastic, Rubber, Etc.)	
PROTECTIVE EQUIPMENT	VENTILATION REQUIREMENTS
Eyes Goggles or face shield Gloves Neoprene, rubber, Buna-N or butyl Other Coveralls and impervious rubber boots.	As required to keep airborne concentrations below TLV.

SECTION III - HAZARDOUS INGREDIENTS

BASIC MATERIAL	APPROX. %	OSHA PEL	LD 50	LC 50	SIGNIFICANT EFFECTS

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT METHOD None	OSHA CLASSIFICATION Non-combustible liquid.	FLAMMABLE EXPLOSIVE LIMITS	LOWER	UPPER
EXTINGUISHING MEDIA				
SPECIAL FIRE HAZARD & FIRE FIGHTING PROCEDURES Use NIOSH/MSHA approved self-contained breathing apparatus where this material is involved in a fire.				

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE Ceiling value 2 mg/M ³ NaOH (ACGIH)	
SYMPTOMS OF OVER EXPOSURE Causes burns on all tissue contacted.	
EMERGENCY FIRST-AID PROCEDURES	
SKIN	Flush with water for 15 minutes; call a physician.
EYES	Flush with water for 15 minutes; call a physician.
INGESTION	Wash out mouth with water, give water to drink followed by vinegar or 1% acetic acid. Do not induce vomiting. Call a physician.
INHALATION	Remove victim to fresh air; call a physician.

Chemical

Caustic Soda 50% Commercial Grade

CAS No.

1310-73-2

Caustic Soda 50%
Commercial Grade

CHEMICAL NAME _____

SECTION VI - TOXICOLOGY (Product)

ACUTE ORAL LD 50	Not known	CARCINOGENIC	Not known to be carcinogenic
		MUTAGENIC	Not known to be mutagenic
ACUTE DERMAL LD 50	Not known	EYE IRRITATION	Corrosive
ACUTE INHALATION LC 50	Not known	PRIMARY SKIN IRRITATION	Corrosive
PRINCIPAL ROUTES OF ABSORPTION			
Oral			
EFFECTS OF ACUTE EXPOSURE			
Burns to exposed tissue frequently resulting in deep ulceration.			
EFFECTS OF CHRONIC EXPOSURE			
None except those secondary to tissue damage.			

SECTION VII - SPILL OR LEAKAGE PROCEDURES (Control Procedures)

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED Wear NIOSH/MSHA approved mist respirator. Follow OSHA regulations for respirator use. (See 29 CFR 1910.134). Wear goggles, coveralls and neoprene, rubber, Buna-N, or butyl rubber gloves and boots. Add non-reactive dry absorbent such as diatomaceous earth. Shovel or sweep up and place in an approved DOT container and seal. Neutralize remaining material with a weak acid solution and flush with water. Wash all contaminated clothing before reuse.

In the event of a massive spill, use the emergency phone number on the front of this sheet.

WASTE DISPOSAL METHOD

Dispose of clean-up debris, contaminated material and residues, in a manner approved for this material. Consult appropriate Federal, State or local regulatory agencies to ascertain proper disposal procedures.

SECTION VIII - REACTIVITY DATA

STABLE	<input checked="" type="checkbox"/>	UNSTABLE		AT	_____ °C	_____ °F	HAZARDOUS POLYMERIZATION	MAY OCCUR
								<input checked="" type="checkbox"/>
CONDITIONS TO AVOID								
INCOMPATIBILITY (Material To Avoid)							Acids	
HAZARDOUS DECOMPOSITION PRODUCTS								

SECTION IX - PHYSICAL DATA

MELTING POINT	VAPOR PRESSURE	VOLATILES
BOILING POINT	SOLUBILITY IN WATER	EVAPORATION RATE
SPECIFIC GRAVITY (H ₂ O = 1)	DH	VAPOR DENSITY (Air = 1)

INFORMATION FURNISHED BY: C. J. Michaels DATE 7/10/80

Department of Environmental Hygiene and Toxicology



CLIN CORPORATION

120 Long Ridge Road, Stamford, Connecticut 06904

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