

SAFETY DATA SHEET



Date Prepared : 11/02/2015
SDS No : 1310732

Caustic Soda, 50%

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Caustic Soda, 50%
PRODUCT CODE: 1310732

MANUFACTURER

JOHN-HENRY Enterprises, Inc.
2813 Richland Ave
Metairie, LA 70002
Emergency Contact: H. Zeller
Emergency Phone: 504-888-8989

24 HR. EMERGENCY TELEPHONE NUMBERS

US/Canada: 800-535-5053

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATIONS**Health:**

Acute Toxicity (Oral), Category 4
Skin Corrosion, Category 1
Serious Eye Damage, Category 1

Physical:

Corrosive to Metals, Category 1

GHS LABEL

Irritant



Health hazard



CORROSIVE

SIGNAL WORD: DANGER

HAZARD STATEMENTS

H302: Harmful if swallowed.
H314: Causes severe skin burns and eye damage.
H370: Causes damage to organs
H290: May be corrosive to metals.

PRECAUTIONARY STATEMENTS**General:**

P102: Keep out of reach of children.
P103: Read label before use.

Prevention:

P280: Wear protective gloves/protective clothing/eye protection/face protection.
P260: Do not breathe dust/fume/gas/mist/vapours/spray.
P264: Wash face, hands and any exposed skin thoroughly after handling.
P270: Do not eat, drink or smoke when using this product.
P363: Wash contaminated clothing before reuse.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
28042MX6: IF SWALLOWED: Immediately call a POISON CENTER or doctor immediately. Rinse mouth. Do NOT induce vomiting.
P304+P341: IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

Response:

P390: Absorb spillage to prevent material damage.

Disposal:

P501: Dispose of contents/container to approved waste disposal plant

EMERGENCY OVERVIEW

IMMEDIATE CONCERNS: Causes severe irritation and burns to skin. Causes severe irritation, burns, and damage to eyes. Mists and vapors can cause irritation to eyes, nose, throat, and respiratory tract. Ingestion can damage mouth, throat, and other tissues and may be fatal.

POTENTIAL HEALTH EFFECTS

EYES: Corrosive to the eyes and may cause severe damage including tissue destruction and/or blindness.

SKIN: Corrosive, causes skin burns and severe irritation

INGESTION: Causes irritation, burns, and damage to mouth, throat, esophagus, and stomach. May be fatal if swallowed.

INHALATION: Mists or sprays can be moderately to severely irritating to eyes and respiratory tract.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt. %	CAS
Sodium Hydroxide	49 - 51	1310-73-2
Water	49 - 51	7732-18-5

4. FIRST AID MEASURES

EYES: Treat eye contact and a medical emergency (call 911). Gently hold eyelids open and immediately flush eyes with water for at least 15 minutes or until pain eases. Remove contact lenses if possible. Cover eyes loosely with sterile dressing and SEEK IMMEDIATE MEDICAL ATTENTION.

SKIN: Flush area with copious amounts of water while removing contaminated clothing and footwear. Continue flushing until discomfort eases. Treat burns as if caused by heat or flame. Seek immediate medical attention for extensive burns or exposure. Seek medical attention if irritation persists or worsens

INGESTION: Get immediate emergency medical attention (Call 911). Rinse mouth with water. Do not induce vomiting unless instructed to do so by poison center or physician. Give water, milk, or dilute citrus juice unless unconscious or convulsing. Keep patient warm, quiet, and comfortable and treat for shock.

INHALATION: If affected by vapors, spray or mist, move to fresh air. Seek medical attention if symptoms persist or worsen. If breathing is difficult, give oxygen and get immediate medical attention.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

EYES: Severe irritation or pain, blurring and loss of vision, burns and/or permanent damage.

SKIN: Severe irritation and burns.

INGESTION: Causes severe irritation and burns to mouth, throat, esophagus, and GI tract. Can cause gastrointestinal discomfort, including nausea, vomiting, and diarrhea.

INHALATION: Spray or mists can severely irritate eyes, nose, throat, and respiratory tract causing coughing, sneezing, difficulty breathing, etc.

NOTES TO PHYSICIAN: Treat symptomatically. If burns are present, treat for thermal burns.

5. FIRE FIGHTING MEASURES

FLAMMABLE CLASS: Not Applicable - Water based product with no flashpoint.

EXTINGUISHING MEDIA: Not Applicable

HAZARDOUS COMBUSTION PRODUCTS: Not Applicable

EXPLOSION HAZARDS: Containers can burst if exposed to flames or high temperatures.

FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus when fighting chemical fires. Use water fog or spray to cool containers.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Remove uninvolved personnel. Contain and absorb spill. Avoid runoff into storm sewers and ditches which lead to waterways. Rinse spill area with water. Dispose of contaminated absorbent material properly.

LARGE SPILL: Wear appropriate PPE. Remove uninvolved personnel from area. Stop flow. Contain spill and keep from entering sewer or

surface waterways. Collect spill into suitable, properly labeled containers for use or disposal. Rinse spill area with water.

ENVIRONMENTAL PRECAUTIONS

WATER SPILL: Do not discharge to or allow to enter surface waterways, drains, or public sewers

7. HANDLING AND STORAGE

HANDLING: Avoid contact with eyes and skin. Avoid exposure to mists or sprays. Read and understand product label and SDS before handling any chemical. Always wear recommended personal protective equipment. Follow label cautions and instructions.

STORAGE: Store in original containers in well ventilated area away from strong acids. Keep containers tightly closed when not in use.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)			
EXPOSURE LIMITS			
Chemical Name	Type		
	OSHA PEL	TWA	ppm
Sodium Hydroxide			mg/m ³
			2

ENGINEERING CONTROLS: Maintain sufficient ventilation in storage and use areas to prevent the accumulation of product vapors, spray, or mists. Provide local exhaust for enclosed areas.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Wear safety glasses or goggles and face shield when handling.

SKIN: Wear chemically resistant outer garments, impermeable boots and gloves when handling.

WORK HYGIENIC PRACTICES: Wash thoroughly before eating, drinking, smoking, or using the facilities after handling any chemical product.

OTHER USE PRECAUTIONS: Working eyewash stations and safety showers should be located in or near all areas where chemicals are stored or used.

9. PHYSICAL AND CHEMICAL PROPERTIES

ODOR: none

APPEARANCE: clear, colorless liquid

pH: > 13.0

Notes: (5% in water)

PERCENT VOLATILE: approximately 50%

VAPOR PRESSURE: Same as water (approximately)

VAPOR DENSITY: Same as water (approximately)

BOILING POINT: 145°C (2.93°F)

FREEZING POINT: 14°C (57°F)

SOLUBILITY IN WATER: Complete in all proportions.

SPECIFIC GRAVITY: 1.54

10. STABILITY AND REACTIVITY

REACTIVITY: Reactive with acids. Reacts with soft metals to release hydrogen.

HAZARDOUS POLYMERIZATION: Will not occur

POSSIBILITY OF HAZARDOUS REACTIONS: Reacts with metals such as aluminum or zinc (releases hydrogen, a flammable gas). Reacts vigorously with concentrated acids (generating heat and steam)

INCOMPATIBLE MATERIALS: Concentrated acids, metals such as aluminum or zinc, ammonia and amines

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

DERMAL LD₅₀: 1350 mg/kg (rabbit) - caustic soda

ORAL LD₅₀: No data

INHALATION LC₅₀: No data

Skin corrosion/irritation

:

Corrosive to skin, eyes, and metals.

12. ECOLOGICAL INFORMATION

BIOACCUMULATION/ACCUMULATION: No data

AQUATIC TOXICITY (ACUTE)

96-HOUR LC₅₀: ~ 46 mg/l (Oncorhynchus mykiss)

GENERAL COMMENTS: Caustic soda converts to sodium carbonate upon prolonged exposure to air.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Offer surplus and non-recyclable material to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

FOR LARGE SPILLS: See Section 6

EMPTY CONTAINER: Triple rinse container thoroughly with water and recycle.

RCRA HAZARD CLASS: D002 - Corrosive

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: UN1824, SODIUM HYDROXIDE SOLUTION, N.O.S., 8, PG II

REPORTABLE QUANTITY (RQ) UNDER CERCLA: 1000 pounds

VESSEL (IMO/IMDG)

SHIPPING NAME: UN1824, SODIUM HYDROXIDE SOLUTION, N.O.S., 8, PG II

15. REGULATORY INFORMATION

UNITED STATES

DOT LABEL SYMBOL AND HAZARD CLASSIFICATION



Corrosive

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

311/312 HAZARD CATEGORIES: Acute health hazard (eye and skin irritation/corrosion), Reactivity

FIRE: No **PRESSURE GENERATING:** No **REACTIVITY:** Yes **ACUTE:** Yes **CHRONIC:** No

313 REPORTABLE INGREDIENTS: Sodium Hydroxide

CERCLA (COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION, AND LIABILITY ACT)

Chemical Name	Wt. %	CERCLA RQ
Sodium Hydroxide	49 - 51	1,000

CERCLA RQ: 2000 lbs (as supplied)

EPA

EPA RQ INGREDIENT: Sodium Hydroxide

EPA RQ PRODUCT: 2000 lbs (as supplied)

TSCA (TOXIC SUBSTANCE CONTROL ACT)

Chemical Name	CAS
Sodium Hydroxide	1310-73-2
Water	7732-18-5

TSCA STATUS: All ingredients are included on the TSCA Inventory or are exempt

CALIFORNIA PROPOSITION 65: Contains no substances known to the State of California to cause cancer, birth defects, or reproductive harm.

16. OTHER INFORMATION

REASON FOR ISSUE: Convert to GHS format

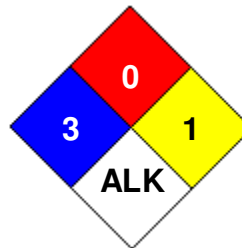
APPROVED BY: H. Zeller

PREPARED BY: CSCC **Date Prepared:** 11/02/2015

HMIS RATING

HEALTH	<input type="checkbox"/>	3
FLAMMABILITY	<input type="checkbox"/>	0
PHYSICAL HAZARD	<input type="checkbox"/>	1
PERSONAL PROTECTION	<input type="checkbox"/>	

NFPA CODES



GENERAL STATEMENTS: Amounts given herein (other than for regulatory purposes) are typical and do not represent a specification.

Unspecified or unlisted components are proprietary, do not present a hazard at levels present, are not hazardous, and/or are present at levels below reportable limits. Exact percentage values for all components are proprietary in accordance with 29 CFR 1910.1200(i)

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