SAFETY DATA SHEET

JOHN-HENRY ENTERPRISES, INC.

Date Prepared : 06/13/2015
SDS No : 5204
Date Revised : 07/01/2015
Revision No : 1

APEX

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: APEX
GENERAL USE: Heavy Duty Caustic Cleaner
PRODUCT CODE: 5204

MANUFACTURER

JOHN-HENRY Enterprises, Inc.
2813 Richland Ave
Metarie, 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:

Eye Corrosion, Category 1
Skin Corrosion/Irritation, Category 2

GHS LABEL

CORROSIVE. Causes severe irritation and burns to skin. Causes severe burns and damage to eyes. Mists and spray can be irritating to eyes, nose, throat, and respiratory tract. Harmful or fatal if swallowed.


CORROSIVE


Health hazard

SIGNAL WORD: DANGER

HAZARD STATEMENTS

H314: Causes severe skin burns and eye damage.
H302: Harmful if swallowed.
H290: May be corrosive to metals.
H335: May cause respiratory irritation.

PRECAUTIONARY STATEMENTS

General:

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

Prevention:

P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P262: Do not get in eyes, on skin, or on clothing.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
1193JFS0: Avoid contact with acids and ammonia

Storage:

75990X3S: Keep only in original container.Store in a well-ventilated place. Keep container tightly closed.

EMERGENCY OVERVIEW

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

POTENTIAL HEALTH EFFECTS

EYES: Corrosive, contact causes severe eye burns.

SKIN: Contact causes severe skin irritation and possible burns.

INGESTION: Causes severe 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
Organic chelate	< 2	Proprietary
Sodium Hydroxide	7 - 9	1310-73-2
Other ingredients are not hazardous or are present at levels that do not present a significant hazard.	85 - 90	mixture

4. FIRST AID MEASURES

EYES: Treat eye contact and a medical emergency. 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: Remove contaminated clothing and footwear. Flush off with copious amounts of running water. Seek medical attention for burns or 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 spray or mist, move to fresh air. Seek medical attention if symptoms persist or worsen.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

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

SKIN: Causes moderate to severe irritation and possibly burns.

INGESTION: Harmful or fatal if swallowed. Can cause irritation, gastric upset, burns and damage (corrosion) to mouth, throat, esophagus and gastrointestinal tract.

INHALATION: Spray or mists can irritate eyes, nose, throat, and respiratory tract.

NOTES TO PHYSICIAN: Treat symptomatically. Treat for thermal burns.

5. FIRE FIGHTING MEASURES

FLAMMABLE CLASS: Not Applicable

EXTINGUISHING MEDIA: Not applicable - water based product. After water has evaporated, use water (fog or spray) or chemical foam on burning solids.

HAZARDOUS COMBUSTION PRODUCTS: After water has evaporated, burning solids will produce oxides of carbon and nitrogen, organonitrogen, and hydrocarbon residues and acrid fumes

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: Contain and absorb spilled material. Dispose of contaminated absorbant properly. Wash spill area with water.

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.

7. HANDLING AND STORAGE

HANDLING: Avoid contact with eyes and prolonged contact with skin. 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 or oxidizing materials. Keep containers tightly closed when not in use.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)			
		EXPOSURE LIMITS	
		OSHA PEL	
Chemical Name		ppm	mg/m³
Sodium Hydroxide	TWA		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.

RESPIRATORY: Use with adequate ventilation. Wear a NIOSH approved air purifying respirator where vapors, mists or spray are excessive or exceed exposure limits.

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: pleasant, characteristic ether odor

APPEARANCE: clear, blue liquid

pH: > 13.5

Notes: as made

PERCENT VOLATILE: 82 - 88% (w/w)

FLASH POINT AND METHOD: Not applicable - water based product

FLAMMABLE LIMITS: Not Applicable

VAPOR PRESSURE: Same as water (approximately)

VAPOR DENSITY: Same as water (approximately)

BOILING POINT: 210 - 215 deg F

FREEZING POINT: less than 32 deg F (0 deg C)

SOLUBILITY IN WATER: Complete in all proportions.

EVAPORATION RATE: Same as water (approximately)

SPECIFIC GRAVITY: 1.04 to 1.06

VISCOSITY: Same as water (approximately)

(VOC): < 0.100 percent

10. STABILITY AND REACTIVITY

REACTIVITY: No

HAZARDOUS POLYMERIZATION: No

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)

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon, and nitrogen, organonitrogen, and and hydrocarbon residues

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

11. TOXICOLOGICAL INFORMATION

ACUTE

NOTES: No toxicity data available for product

EYE EFFECTS: Severe irritation, pain, burns, temporary or permanent loss of vision.

SKIN EFFECTS: Moderate to severe irritation, burns, damage to underlying tissues, and scarring.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: No data

COMMENTS: This product could be expected to produce significant ecotoxicity (immediate and long term) upon exposure to aquatic systems and organisms.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Unused or undiluted product constitutes a hazardous waste. Follow all appropriate local, state, and Federal disposal regulations. Surfactants and other organic components are biodegradable. Collect and neutralize spent solutions and discharge to a waste water treatment facility.

FOR LARGE SPILLS: See Section 6

EMPTY CONTAINER: Rinse container thoroughly with water and recycle.

RCRA/EPA WASTE INFORMATION: Unused or undiluted product would constitute an RCRA regulated hazardous waste due to corrosivity (CORROSIVE WASTE - D002, pH equal to or greater than 12.5)

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: NA1760, Compound, Cleaning liquid (contains sodium hydroxide), 8, II

REPORTABLE QUANTITY (RQ) UNDER CERCLA: 11610 pounds (as supplied)

PLACARDS: Corrosive

LABEL: Corrosive

VESSEL (IMO/IMDG)

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

PLACARDS: Corrosive

LABEL: Corrosive

15. REGULATORY INFORMATION

UNITED STATES

DOT LABEL SYMBOL AND HAZARD CLASSIFICATION

Corrosive

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

311/312 HAZARD CATEGORIES: Corrosive

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

313 REPORTABLE INGREDIENTS: Sodium Hydroxide

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

Chemical Name	Wt.%	CERCLA RQ
Organic chelate	< 2	5,000
Sodium Hydroxide	7 - 9	1,000

CERCLA RQ: greater than 10000 lbs (as supplied)

EPA

EPA RQ INGREDIENT: Sodium Hydroxide

EPA RQ PRODUCT: greater than 10000 lbs (as supplied)

TSCA (TOXIC SUBSTANCE CONTROL ACT)

Chemical Name	CAS
Organic chelate	Proprietary
Sodium Hydroxide	1310-73-2

TSCA STATUS: All other 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.

RCRA STATUS: Regulated under RCRA (D002 - Corrosive)

16. OTHER INFORMATION

REASON FOR ISSUE: Convert to GHS format

APPROVED BY: H. Zeller

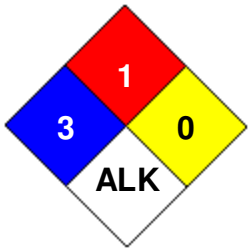
PREPARED BY: CSCC **Date Revised:** 07/01/2015

REVISION SUMMARY: This SDS replaces the 06/13/2015 SDS.

HMIS RATING

HEALTH	3
FLAMMABILITY	1
PHYSICAL HAZARD	0
PERSONAL PROTECTION	X

NFPA CODES



GENERAL STATEMENTS: Amounts specified herein (other than for regulatory purposes) are typical and do not represent a specification. Unspecified or unlistedcomponents are proprietary, do not present a hazard at levels present, are not hazardous, and/or are present lt levels below reportable limits. Exact percentage valuse for all components are proprietary in accordance with 29 CFR 1910.1200(i)

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