

## SAFETY DATA SHEET



Date Prepared : 06/13/2015  
 SDS No : 5204  
 Date Revised : 01/18/2017  
 Revision No : 3

## 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  
 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:**

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.



Severe  
 Irritant/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

**Response:**

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.

**Storage:**

75990X3S: Keep only in original container. Store in a cool, well-ventilated space. 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 can cause severe skin irritation and possibly 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 (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:** 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, burns and/or 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 intact 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)			
Chemical Name	EXPOSURE LIMITS		
	Type	ppm	mg/m <sup>3</sup>
Sodium Hydroxide	OSHA PEL	TWA	2

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

**PERSONAL PROTECTIVE EQUIPMENT**

**EYES AND FACE:** Wear safety glasses or goggles and face shield (recommended) 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):** < 0.1 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 hydrocarbon residues

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

**11. TOXICOLOGICAL INFORMATION****ACUTE TOXICITY**

**NOTES:** No toxicity data available for product

**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:** UN1760, Corrosive Liquid, n.o.s. (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:** Revisions to SDS

**APPROVED BY:** H. Zeller

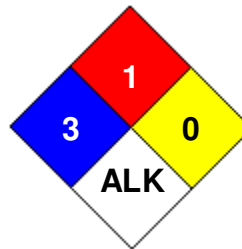
**PREPARED BY:** CSCC **Date Revised:** 01/18/2017

**REVISION SUMMARY:** This SDS replaces the 02/18/2016 SDS. Revised: **Section 14:** DOT (DEPARTMENT OF TRANSPORTATION) - PROPER SHIPPING NAME.

**HMIS RATING**

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

**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)

**MANUFACTURER DISCLAIMER:** To the best of our knowledge, the information contained herein is accurate. However, no liability whatsoever is assumed for its accuracy and/or completeness. Final determination of the suitability of any material is the sole responsibility of the user. All materials may present unknown health or physical hazards and should be used with caution. Certain hazards are described herein, but no guarantee is made that these are the only hazards associated with the material that exist.