

## SAFETY DATA SHEET



Date Prepared : 07/03/2015

SDS No : 5107

Date Revised : 01/31/2017

Revision No : 2

## VULCAN

## 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** VULCAN**GENERAL USE:** Heavy Duty Water Based Cleaner/Degreaser**PRODUCT CODE:** 5107**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 1A  
 Skin Corrosion/Irritation, Category 2A

**Environmental:**

Acute Hazards to the Aquatic Environment, Category 3

**Physical:**

Corrosive to Metals, Category 1A

**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

Irritant/Corrosive

**SIGNAL WORD: DANGER****HAZARD STATEMENTS**

H314: Causes severe skin burns and eye damage.

H302: Harmful if swallowed.

H290: May be corrosive to metals.

H302 + H332: Harmful if swallowed or if inhaled.

**PRECAUTIONARY STATEMENTS****General:**

P103: Read label before use.

P102: Keep out of reach of children.

**Prevention:**

P262: Do not get in eyes, on skin, or on clothing.

P261: Avoid breathing dust/fume/gas/mist/vapours/spray.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P260: Do not breathe dust/fume/gas/mist/vapours/spray.

1193JFS0: Avoid contact with acids and ammonia

P273: Avoid release to the environment.

P363: Wash contaminated clothing before reuse.

**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 and reversible burns to skin. Causes severe irritation and damage to eyes. Mists and vapors can cause irritation to eyes, nose, and throat. Vapors can cause nausea, dizziness, nausea, stupor, vomiting, headache, and/or irritation to nose, throat, and respiratory system. Ingestion can cause moderate to severe irritation and burns to mouth, throat, and gastrointestinal tract. May be fatal if swallowed.

**POTENTIAL HEALTH EFFECTS**

**EYES:** Extremely irritating to the eyes and may cause severe damage including blindness.

**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	1310-73-2
Glycol ether	8 - 10	Proprietary
Synthetic Sodium Silicate	2 - 4	6834-92-0
Other ingredients are not hazardous or are present at levels that do not present a significant hazard.	> 78	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 vapors, spray or mist, move to fresh air. Seek medical attention if symptoms persist or worsen. Give oxygen if breathing is difficult and seek prompt medical attention.

**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:** Vapors, spray or mists can irritate eyes, nose, throat, and respiratory tract. Vapors can cause dizziness, drowsiness, nausea, headache, drunkenness, vomiting, unconsciousness, and other anesthetic effects.

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

**5. FIRE FIGHTING MEASURES**

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

**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, nitrogen, and sulfur, organosulfur, 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. Keep containers closed when not in use.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)				
EXPOSURE LIMITS				
Chemical Name	Type		ppm	mg/m <sup>3</sup>
Sodium Hydroxide	OSHA PEL	TWA		2
Glycol ether	OSHA PEL	TWA	50	240
	ACGIH TLV	TWA	20	97

**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, pale amber liquid

**pH:** > 13.5

**Notes:** as made

**PERCENT VOLATILE:** 80 - 85% (w/w)

**FLASH POINT AND METHOD:** Not applicable - water based product

**VAPOR PRESSURE:** Same as water (approximately)

**VAPOR DENSITY:** Same as water (approximately)

**BOILING POINT:** greater than 212 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:** 1.06 to 1.08

**VISCOSITY:** Same as water (approximately)

(VOC): ~9

**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). Reacts with ammonia and amines and forms toxic fumes.**HAZARDOUS DECOMPOSITION PRODUCTS:** Oxides of carbon, nitrogen, and sulfur, organosulfur, 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**CARCINOGENICITY**

Chemical Name	General Toxicity
Glycol ether	Confirmed animal carcinogen with unknown relevance to humans - Group A3

**12. ECOLOGICAL INFORMATION****ENVIRONMENTAL DATA:** No data**COMMENTS:** This product could be expected to produce significant ecotoxicity upon exposure to aquatic systems and organisms. Surfactants and other organics are readily biodegradable.**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, III**REPORTABLE QUANTITY (RQ) UNDER CERCLA:** greater than 10000 lbs (as supplied)**PLACARDS:** Corrosive**LABEL:** Corrosive**VESSEL (IMO/IMDG)****SHIPPING NAME:** UN1824, SODIUM HYDROXIDE SOLUTION, N.O.S., 8, PG II**PRIMARY HAZARD CLASS/DIVISION:** 8**EmS:** F-A, S-B**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	1,000

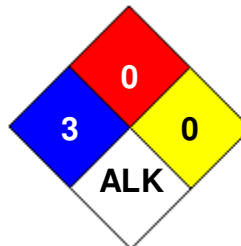
CERCLA RQ: greater than 10000 lbs (as supplied)

**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
Glycol ether	Proprietary

**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.**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:** 01/31/2017**REVISION SUMMARY:** This SDS replaces the 01/31/2017 SDS.**HMIS RATING**

HEALTH	<input type="checkbox"/>	3
FLAMMABILITY	<input type="checkbox"/>	0
PHYSICAL HAZARD	<input type="checkbox"/>	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)

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