

## SAFETY DATA SHEET



Date Prepared : 06/15/2015

SDS No : 5421

Date Revised : 06/18/2015

Revision No : 1

## VAPO-SORB

## 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** VAPO-SORB  
**GENERAL USE:** Vapor Scrubber Solution  
**PRODUCT CODE:** 5421

**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 2  
 Skin Corrosion/Irritation, Category 2

**Physical:**

Corrosive to Metals, Category 4

**GHS LABEL**

**CORROSIVE:** Causes severe irritation and can cause burns and permanent damage to eyes. Causes moderate to severe irritation and possibly burns to skin. Mists and spray can irritate eyes, nose, throat, and respiratory system. Ingestion can cause severe irritation, burns and tissue damage to mouth, throat, esophagus, and stomach. May be harmful or fatal if swallowed.



CORROSIVE

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

H314: Causes severe skin burns and eye damage.  
 H290: May be corrosive to metals.

**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.  
 P363: Wash contaminated clothing before reuse.

**Storage:**

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

**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:** Contact causes severe skin irritation and possible burns.

**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
Phosphoric Acid	< 20	7664-38-2
Glycol ether	< 2	Proprietary
Other ingredients are not hazardous or are present at levels that do not present a significant hazard.		> 75
		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 medical attention (call 911). Rinse mouth with water. Do not induce vomiting unless instructed to do so by poison center or physician. Give patient water and milk of magnesia or other antacid tablets unless unconscious or convulsing. Keep patient warm and comfortable. 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, 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 severely irritate eyes, nose, throat, and respiratory tract causing coughing, sneezing, difficulty breathing, etc.

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

### 5. FIRE FIGHTING MEASURES

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

**GENERAL HAZARD:** Boiling product can release irritating, acidic fumes.

**EXTINGUISHING MEDIA:** Not applicable - not combustible

**HAZARDOUS COMBUSTION PRODUCTS:** Acidic 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:** Wear recommended PPE. Contain and absorb spilled material. Dispose of contaminated absorbant properly. Wash spill area with water.

**LARGE SPILL:** Wear appropriate PPE. Remove uninvolved personnel from and ventilate the area. Stop and contain flow and keep spilled material from entering sewer or surface waterways. Collect spilled material and store in suitable, properly labeled containers for use or disposal. Rinse spill area thoroughly with water or a dilute alkaline solution.

#### ENVIRONMENTAL PRECAUTIONS

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

## 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 alkalis 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		ACGIH TLV	
Chemical Name		ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Phosphoric Acid	TWA		1		1
	STEL				3
Glycol ether	TWA	50	240	20	97

**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 rubber, latex, or other chemical resistant gauntlet gloves and boots

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

**PROTECTIVE CLOTHING:** Wear chemically resistant full length apron and impermeable boots 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:** mild, ether-like

**APPEARANCE:** clear, colorless liquid

**pH:** < 2.0

**Notes:** (5% in water)

**PERCENT VOLATILE:** 50 - 60% (w/w)

**FLASH POINT AND METHOD:** > (200°F)

**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:** 1.1 to 1.12

**(VOC):** ~ 1.000 percent (w/w)

## 10. STABILITY AND REACTIVITY

**REACTIVITY:** No

**HAZARDOUS POLYMERIZATION:** No

**POSSIBILITY OF HAZARDOUS REACTIONS:** Reacts with metals (releases hydrogen, a flammable gas). Reacts vigorously with concentrated

alkalies to generate acidic steam.

**INCOMPATIBLE MATERIALS:** Strong alkalies (bases), chlorine bleach, oxidizing and reducing agents, metals such as zinc or magnesium (releases hydrogen gas)

## 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.

### 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:** Because of the low pH of this product, it would be expected to produce significant ecotoxicity 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:** Triple 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 less than 2.0)

## 14. TRANSPORT INFORMATION

### DOT (DEPARTMENT OF TRANSPORTATION)

**PROPER SHIPPING NAME:** NA1760, Compound, Cleaning liquid (contains phosphoric acid), 8, II

### VESSEL (IMO/IMDG)

**SHIPPING NAME:** UN1805, PHOSPHORIC ACID SOLUTION, 8, III

**EmS:** F-A, S-B

## 15. REGULATORY INFORMATION

### UNITED STATES

#### SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

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

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

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

Chemical Name	Wt.%	CERCLA RQ
Phosphoric Acid	< 20	5,000

**CERCLA RQ:** greater than 10000 lbs (as supplied)

**TSCA (TOXIC SUBSTANCE CONTROL ACT)**

Chemical Name	CAS
Phosphoric Acid	7664-38-2
Glycol ether	Proprietary

**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, birth defects, or reproductive harm.

**16. OTHER INFORMATION**

**REASON FOR ISSUE:** Convert to GHS format

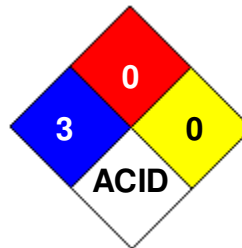
**APPROVED BY:** H. Zeller

**PREPARED BY:** CSCC **Date Revised:** 06/18/2015

**REVISION SUMMARY:** This SDS replaces the 06/18/2015 SDS. Revised: **Section 1:** 24 HR. EMERGENCY TELEPHONE NUMBERS, GENERAL USE, REASON FOR ISSUE.

**HMIS RATING**

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

**NFPA CODES**

**GENERAL STATEMENTS:** Amounts specified 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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