

# SAFETY DATA SHEET



**JOHN-HENRY**  
ENTERPRISES, INC.

Date Prepared : 2/2/2015  
SDS No : 5401

## HEAVY DUTY SCALE-AWAY

### 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** HEAVY DUTY SCALE-AWAY  
**GENERAL USE:** Rust Remover and Converter  
**PRODUCT CODE:** 5401

#### MANUFACTURER

John-Henry Enterprises, Inc.  
2813 Richland Ave.  
Metairie, LA 70002  
**Emergency Contact:** Henry Zeller  
**Emergency Phone:** 504-888-8989

#### 24 HR. EMERGENCY TELEPHONE NUMBERS

US/Canada: 800-535-5053  
International: 01-352-323-3500

### 2. HAZARDS IDENTIFICATION

#### GHS LABEL

CORROSIVE. Can cause burns and permanent damage to eyes. May react with metals such as aluminum or zinc and release hydrogen, a flammable gas.



Corrosive

**SIGNAL WORD:** DANGER

#### HAZARD STATEMENTS

H314: Causes severe skin burns and eye damage.  
H290: May be corrosive to metals.  
H301: Toxic if swallowed.

#### PRECAUTIONARY STATEMENTS

##### Prevention:

P102: Keep out of reach of children.  
P280: Wear protective gloves/protective clothing/eye protection/face protection.  
P260: Do not breathe dust/fume/gas/mist/vapours/spray.  
P270: Do not eat, drink or smoke when using this product.  
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P304+P340: IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.  
P306+P360: IF ON CLOTHING: rinse immediately contaminated clothing and skin with plenty of water before removing clothes.  
P301+P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.  
P103: Read label before use.  
P234: Keep only in original container.  
P233: Keep container tightly closed.

P401: Store in a cool, dry, well ventilated area.

P273: Avoid release to the environment.

### EMERGENCY OVERVIEW

**IMMEDIATE CONCERNS:** Causes severe irritation and burns to eyes, leading to partial or complete loss of vision.

Strongly irritating to skin and may cause burns. Sprays and mists can severely irritate eyes and cause irritation to nose, throat, and respiratory system.

### POTENTIAL HEALTH EFFECTS

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

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

**SKIN ABSORPTION:** No data

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

**INHALATION:** Mists and spray can cause moderate to severe irritation to nose, throat, and respiratory system.

**ROUTES OF ENTRY:** Skin and eye contact, ingestion, inhalation

**TARGET ORGAN STATEMENT:** None known.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
Phosphoric Acid	< 45 - 50	7664-38-2
Glycol Ether Solvent	< 3	111-76-2

### 4. FIRST AID MEASURES

**EYES:** 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 running water. Treat burns as if caused by heat or flame. Seek medical attention for extensive burns or if irritation persists

**INGESTION:** Notify physician or poison control center immediately. Give water or milk unless unconscious, convulsing, or if there are visible burns are present on face and lips or in mouth. Do not induce vomiting unless instructed to do so by physician or poison control center.

**INHALATION:** If affected by vapors, fumes, or mists, move to fresh air. If symptoms persist or worsen, seek medical attention.

#### SIGNS AND SYMPTOMS OF OVEREXPOSURE

**EYES:** Severe irritation or pain, blurring or loss of vision.

**SKIN:** Moderate to severe irritation, dryness, redness, edema, and/or burns.

**INGESTION:** Harmful or fatal if swallowed. Can cause nausea, vomiting, diarrhea, gastrointestinal distress. Can cause burns to lips, mouth, esophagus, and stomach

**INHALATION:** Can cause sneezing, coughing, and irritation to nose, throat, and respiratory system.

**ACUTE TOXICITY:** Irritation to affected area as described.

**CHRONIC EFFECTS:** Burns may cause scarring and permanent damage.

**NOTES TO PHYSICIAN:** Treat burns as if caused by exposure to heat or flame.

### 5. FIRE FIGHTING MEASURES

**FLAMMABLE CLASS:** NA = Not Applicable

**GENERAL HAZARD:** Heated product may release irritating acidic vapors

**EXTINGUISHING MEDIA:** Water based product - not applicable. After water has evaporated, use water (fog or spray) or chemical foam.

**HAZARDOUS COMBUSTION PRODUCTS:** Oxides of carbon and hydrocarbon residues. Also produces acidic fumes and vapors.

**EXPLOSION HAZARDS:** Product containers may burst if exposed to flame or high heat. Cool exposed containers with water fog or spray.

**FIRE FIGHTING PROCEDURES:** Wear self-contained breathing apparatus when fighting chemical fires. Use water fog to cool containers exposed to fire and/or to knock down acidic vapors.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Will not occur

## 6. ACCIDENTAL RELEASE MEASURES

**SMALL SPILL:** Ventilate the area. Remove uninvolved personnel. Contain and absorb spill. Rinse spill area with water or dilute alkaline solution. Dispose of contaminated absorbant material properly.

**LARGE SPILL:** Wear appropriate PPE. Remove unnecessary personnel from area. Ventilate the area. Stop flow and contain spilled material. Prevent it from reaching sewer, drains, ditches, or surface waterways. Collect spilled material and store in suitable, properly labeled containers for disposal or reuse. Rinse spill area thoroughly with water or dilute alkaline solution.

### ENVIRONMENTAL PRECAUTIONS

**WATER SPILL:** Avoid release of product into sewer, drains, ditches, or surface waterways.

## 7. HANDLING AND STORAGE

**HANDLING:** Read and understand product label and SDS before handling any chemical. Always wear recommended Personal Protective Equipment. Follow label instructions.

**STORAGE:** Store in original containers in a 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					
		OSHA PEL		ACGIH TLV		Supplier OEL	
Chemical Name		ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Phosphoric Acid	TWA		1		1	NL	NL
	STEL				3	NL	NL
Glycol Ether Solvent	TWA	50	240	20	97	NL	NL
	STEL					NL	NL

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

### PERSONAL PROTECTIVE EQUIPMENT

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

**SKIN:** Wear acid resistant clothing and impermeable gloves and boots when using product.

**RESPIRATORY:** Use with adequate ventilation. Wear a NIOSH approved acid absorbing respirator in areas where mists vapors are excessive or exceed exposure limits.

**PROTECTIVE CLOTHING:** Wear acid resistant rainsuit or similar protection.

**WORK HYGIENIC PRACTICES:** Do not smoke, eat, or drink while handling this product. After using product, wash thoroughly before eating, drinking, or using the facilities.

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

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE:** Liquid

**ODOR:** Mild, characteristic ether-like odor

**APPEARANCE:** Colorless, clear

**pH:** Less than 2 (as made)

**PERCENT VOLATILE:** approximately 50%

**FLASH POINT AND METHOD:** greater than 200 deg F (closed cup)

**FLAMMABLE LIMITS:** NA = Not Applicable

**AUTOIGNITION TEMPERATURE:** N/A

**VAPOR PRESSURE:** Same as water

**VAPOR DENSITY:** Same as water

**BOILING POINT:** not determined, greater than 215 deg F

**FREEZING POINT:** Less than 32 deg F (0 deg C)

**SOLUBILITY IN WATER:** Complete in all proportions

**EVAPORATION RATE:** approx. - same as water

**SPECIFIC GRAVITY:** 1.26 to 1.280

**(VOC):** < 3.000 percent

**COMMENTS:** The reported data are typical for the product and DO NOT constitute specifications.

## 10. STABILITY AND REACTIVITY

**STABLE:** Yes

**HAZARDOUS POLYMERIZATION:** No

**HAZARDOUS DECOMPOSITION PRODUCTS:** Oxides of carbon and hydrocarbon residues, acidic fumes and vapors

**INCOMPATIBLE MATERIALS:** Strong alkalis, metals (releases hydrogen, a flammable gas)

## 11. TOXICOLOGICAL INFORMATION

**EYE EFFECTS:** Severe irritation, pain, and burns. May cause permanent loss of vision.

**SKIN EFFECTS:** Moderate to severe irritation and burns.

### CARCINOGENICITY

**Notes:** None of the ingredients are known to be carcinogenic.

**CORROSIVITY:** Corrosive to tissues.

## 12. ECOLOGICAL INFORMATION

**ENVIRONMENTAL DATA:** No data

## 13. DISPOSAL CONSIDERATIONS

**DISPOSAL METHOD:** Surfactants and other organic components are biodegradable. Collect and neutralize spent solution

and discharge to waste water treatment facility.

**FOR LARGE SPILLS:** Collect spilled material and store in properly labeled containers for re-use or disposal. Thoroughly wash spill area with mildly alkaline solution.

**EMPTY CONTAINER:** Empty containers may contain product residues. Rinse thoroughly with a dilute alkaline solution. Recycle cleaned, used containers.

**RCRA/EPA WASTE INFORMATION:** Unused or undiluted material would constitute an RCRA hazardous waste due to pH of 2.0 or less.

**RCRA HAZARD CLASS:** D002 - Corrosive

## 14. TRANSPORT INFORMATION

### DOT (DEPARTMENT OF TRANSPORTATION)

**PROPER SHIPPING NAME:** UN 1790, Compound, Cleaning Liquid, (contains phosphoric acid), 8, II

**TECHNICAL NAME:** Compound, Cleaning Liquid, (contains phosphoric acid)

**PRIMARY HAZARD CLASS/DIVISION:** 8

**UN/NA NUMBER:** UN 1970

**PACKING GROUP:** II

**REPORTABLE QUANTITY (RQ) UNDER CERCLA:** 10582 pounds

**PLACARDS:** Corrosive

**LABEL:** CORROSIVE

### VESSEL (IMO/IMDG)

**TECHNICAL NAME:** Phosphoric Acid Solution, n.o.s.

**UN/NA NUMBER:** UN 1805

**PRIMARY HAZARD CLASS/DIVISION:** 8

**PACKING GROUP:** III

## 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:** Phosphoric Acid

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

Chemical Name	Wt.%	CERCLA RQ
Phosphoric Acid	< 45 - 50	5,000

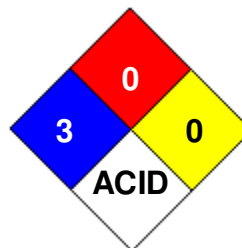
**CERCLA RQ:** greater than 10,000 lbs (product as supplied)

**EPA****EPA RQ INGREDIENT:** Phosphoric Acid**EPA RQ PRODUCT:** greater than 10,000 lbs**TSCA (TOXIC SUBSTANCE CONTROL ACT)**

Chemical Name	CAS
Phosphoric Acid	7664-38-2
Nonionic Surfactant	Proprietary
Glycol Ether Solvent	111-76-2

**TSCA STATUS:** All ingredients are included on the TSCA Inventory or are exempt.**CALIFORNIA PROPOSITION 65:** Contains the following ingredients known to the State of California to be carcinogenic:  
NONE**RCRA STATUS:** RCRA Hazardous Waste (D002 Corrosive)**16. OTHER INFORMATION****REASON FOR ISSUE:** Change Emergency Contact Numbers. Add IMDG shipping information**APPROVED BY:** H. Zeller**PREPARED BY:** CSCC **Date Prepared:** 2/2/2015**HMIS RATING**

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

**NFPA CODES****GENERAL STATEMENTS:** Amounts specified herein (other than for regulatory purposes) are typical and do not represent a specification. Remaining components are proprietary, do not present a hazard at levels present or are not hazardous, and/or are present at levels below reportable limits. Exact percentage values for 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 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 product that exist.