

## SAFETY DATA SHEET



Date Prepared : 06/01/2015  
 SDS No : 5423  
 Date Revised : 07/09/2015  
 Revision No : 1

## JACK HAMMER

## 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** JACK HAMMER  
**GENERAL USE:** Concrete Remover  
**PRODUCT CODE:** 5423

**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 Damage, Category 1B  
 Skin Corrosion/Irritation, Category 1B

**Physical:**

Corrosive to Metals, Category 1A

**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



Irritant

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

H314: Causes severe skin burns and eye damage.  
 H335: May cause respiratory irritation.  
 H303: May be harmful if swallowed.  
 H290: May be corrosive to metals.

**PRECAUTIONARY STATEMENTS****Prevention:**

P102: Keep out of reach of children.  
 P103: Read label before use.  
 P260: Do not breathe dust/fume/gas/mist/vapours/spray.  
 P264: Wash thoroughly after handling.  
 P270: Do not eat, drink or smoke when using this product.  
 P280: Wear protective gloves/protective clothing/eye protection/face protection.  
 75990X3S: Keep only in original container. Store in a well-ventilated place. 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. Ingestion can cause moderate to severe irritation and burns to mouth, throat, and

gastrointestinal tract. May be fatal if swallowed.

### POTENTIAL HEALTH EFFECTS

**EYES:** Corrosive to the eyes and may cause severe damage including tissue destruction and/or blindness.

**SKIN:** Contact can cause severe skin irritation and possibly 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
Buffered Acid Salt Solution	> 40 - 50	Proprietary
Phosphoric Acid	24 - 25	7664-38-2
Other ingredients are not hazardous or are present at levels that do not present a significant hazard.	> 25	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 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 or milk 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. If burns are present, treat for thermal burns.

### 5. FIRE FIGHTING MEASURES

**FLAMMABLE CLASS:** Not Applicable. Flash point greater than 200 deg F.

**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 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 and knock down acidic vapors.

### 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. Ventilate the area and 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:** Read and understand product label and SDS before handling any chemical. Use in well ventilated areas. Always wear

recommended personal protective equipment. Follow label 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

**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:** Characteristic

**APPEARANCE:** clear, green liquid

**pH:** < 2.0

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

**PERCENT VOLATILE:** Not determined

**FLASH POINT AND METHOD:** > (200°F)

**VAPOR PRESSURE:** Not determined

**VAPOR DENSITY:** Heavier than air

**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:** Not determined

**SPECIFIC GRAVITY:** 1.15 to 1.125

## 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 alkalis to generate acidic steam.

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

**INCOMPATIBLE MATERIALS:** Strong alkalis (bases), chlorine bleach, oxidizing and reducing agents

## 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 available.

**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. 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:** UN1805, PHOSPHORIC ACID SOLUTION, 8, III

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

**VESSEL (IMO/IMDG)**

**SHIPPING NAME:** UN1805, PHOSPHORIC ACID SOLUTION, N.O.S. 8, PG III

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

**15. REGULATORY INFORMATION****UNITED STATES****DOT LABEL SYMBOL AND HAZARD CLASSIFICATION**

Corrosive

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

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

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

**313 REPORTABLE INGREDIENTS:** Phosphoric Acid

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

Chemical Name	Wt. %	CERCLA RQ
Phosphoric Acid	24 - 25	5,000

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

**EPA**

**EPA RQ INGREDIENT:** Phosphoric Acid

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

**TSCA (TOXIC SUBSTANCE CONTROL ACT)**

Chemical Name	CAS
Buffered Acid Salt Solution	Proprietary
Phosphoric Acid	7664-38-2

**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, birth defects, or reproductive harm.

## 16. OTHER INFORMATION

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

**APPROVED BY:** H. Zeller

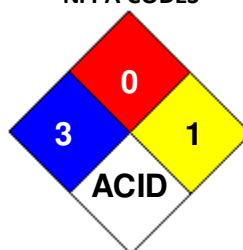
**PREPARED BY:** CSCC **Date Revised:** 07/09/2015

**REVISION SUMMARY:** This SDS replaces the 06/02/2015 SDS. Revised: **Section 14:** DOT (DEPARTMENT OF TRANSPORTATION) ( DOT (DEPARTMENT OF TRANSPORTATION), SHIPPING NAME ). **Section 15:** CERCLA RQ, EPA RQ INGREDIENT, EPA RQ PRODUCT, 313 REPORTABLE INGREDIENTS.

### HMIS RATING

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

### 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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