

SAFETY DATA SHEET



Date Prepared : 05/31/2015
 SDS No : FIRST STEP
 Date Revised : 01/22/2017
 Revision No : 2

FIRST STEP

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: FIRST STEP
GENERAL USE: Low pH Pre-Soak
PRODUCT CODE: 5705

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 (reversible), Category 2

GHS LABEL

CORROSIVE: Causes burns to skin. Causes severe burns and damage to eyes.

IRRITANT: Mists and spray can be irritating to eyes, nose, throat, and respiratory tract. Harmful or fatal if swallowed.



Severe

Irritant/Corrosive



Irritant

SIGNAL WORD: DANGER**HAZARD STATEMENTS**

H318: Causes serious eye damage.
 H302: Harmful if swallowed.
 H315: Causes skin irritation.

PRECAUTIONARY STATEMENTS**General:**

P102: Keep out of reach of children.
 P103: Read label before use.

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.
 P362+P364: Take off contaminated clothing and wash it before reuse.

Response:

6156HX6P: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. (See First Aid Section for more details)
 P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
 2647OCLL: IF SWALLOWED: Immediately call a POISON CENTER, doctor, or other qualified medical personnel. (See First Aid Section for

more information) 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 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: Severely irritating and may cause temporary blurring of vision and temporary damage. May cause burns and permanent damage.

SKIN: Prolonged contact can cause severe skin irritation and possible 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
Phosphoric Acid	< 10	7664-38-2
Other ingredients are not hazardous or are present at levels that do not present a significant hazard.	> 80	mixture

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 medical attention, especially if there are visible burns or damage to or around eyes.

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, burns and/or permanent damage.

SKIN: Prolonged exposure can cause moderate to severe irritation and possibly burns.

INGESTION: Causes severe irritation and burns to mouth, throat, esophagus, and GI tract. Can cause gastrointestinal discomfort, including nausea, vomiting, and diarrhea.

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. Flash point greater than 200 deg F.

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. Ventilate the area and remove uninvolved personnel. Contain and absorb spill. Avoid runoff into storm sewers and ditches which lead to waterways. Rinse spill area with water or dilute alkaline solution. Dispose of contaminated absorbent material properly.

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.

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 ³
Phosphoric Acid	OSHA PEL	TWA	1
	ACGIH TLV	TWA	1
		STEL	3

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 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 fumes, 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: faint

APPEARANCE: clear, blue liquid

pH: < 2.0

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: 1.01 to 1.02

VISCOSITY: Same as water (approximately)

(VOC): < 0.1 percent (v/v)

10. STABILITY AND REACTIVITY

REACTIVITY: Yes

HAZARDOUS POLYMERIZATION: No

POSSIBILITY OF HAZARDOUS REACTIONS: May react with soft metals such as zinc or magnesium (releases hydrogen, a flammable gas). Reacts with concentrated alkalis (generating heat and steam).

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

INCOMPATIBLE MATERIALS: Concentrated alkalis and oxidizing agents.

11. TOXICOLOGICAL INFORMATION**ACUTE TOXICITY**

NOTES: No toxicity data available for product

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

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: UN1760, Corrosive Liquid, N.O.S. (contains phosphoric acid), 8, III

PLACARDS: Corrosive

LABEL: Corrosive

VESSEL (IMO/IMDG)

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

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: 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	< 10	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
Phosphoric Acid	7664-38-2

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:** 01/22/2017

REVISION SUMMARY: This SDS replaces the 02/24/2016 SDS. Revised: **Section 14:** DOT (DEPARTMENT OF TRANSPORTATION) - PROPER SHIPPING NAME.

HMIS RATING

HEALTH	<input type="checkbox"/>	3
FLAMMABILITY	<input type="checkbox"/>	1
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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