SAFETY DATA SHEET

JOHN-HENRY ENTERPRISES, INC.

Date Prepared : 1/15/2015
SDS No : 5414

GO-pHER

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: GO-pHER
GENERAL USE: Acid Cleaner
PRODUCT CODE: 5414
CHEMICAL FAMILY: Acidic Cleaner

MANUFACTURER

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

24 HR. EMERGENCY TELEPHONE NUMBERS

800-992-7448

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATIONS

Health:

Acute Toxicity (Oral), Category 4
Skin Corrosion, Category 1
Serious Eye Damage, Category 1

Physical:

Corrosive to Metals, Category 1

GHS LABEL

CORROSIVE. Can cause burns and permanent damage to eyes and skin. Fumes, mists, and spray are highly irritating to eyes, nose, throat, and respiratory tract. Reacts with metals and releases hydrogen, a flammable gas.


Corrosive


Irritant

SIGNAL WORD: DANGER

HAZARD STATEMENTS

8890RINB: Corrosive to metals. Harmful if swallowed. Causes severe skin burns and eye damage. May cause respiratory irritation.

PRECAUTIONARY STATEMENTS

Prevention:

1527U85P: Avoid breathing dust/fume/gas/mist/vapours/spray. Do no eat, drink or smoke when using this product. Do not get in eyes, on skin, or on clothing.
P102: Keep out of reach of children.
P103: Read label before use.

P202: Do not handle until all safety precautions have been read and understood.
6178CDBW: P403+P233+P234: Store in a well-ventilated place. Keep container tightly closed. Keep only in original container.
P273: Avoid release to the environment.
P281: Use personal protective equipment as required.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
Hydrochloric Acid	~ 20	7647-01-0
Oxalic Acid	~ 10	144-62-7

4. FIRST AID MEASURES

EYES: Gently hold eyelids open and immediately flush eyes with water for at least 15 minutes or until discomfort eases. Remove contact lenses if possible. Seek medical attention if vision remains blurred, if there are visible burns to or around eyes, or if irritation persists.

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. burns to or around eyes.

SKIN: Can cause moderate to severe irritation and burns.

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

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

ACUTE TOXICITY: Irritation to affected area as described.

NOTES TO PHYSICIAN: Provide general supportive measures and treat symptomatically. Smptoms may be delayed.

5. FIRE FIGHTING MEASURES

FLAMMABLE CLASS: NA = Not Applicable

EXTINGUISHING MEDIA: Water based material

HAZARDOUS COMBUSTION PRODUCTS: After all water has evaporated, burning solids will produce oxides of carbon and hydrocarbon.

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 Equpment. Only use in well ventilated areas. Follow label instructions and cautions.

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			
		ACGIH TLV		Supplier OEL	
Chemical Name		ppm	mg/m³	ppm	mg/m³
Hydrochloric Acid	TWA	[1]	[1]	NL	NL
	STEL			NL	NL

Footnotes:
1. 2 ppm (ceiling)

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 latex, rubber, Neoprene, or other impermeable gloves. Chemically resistant rainwear is also suggested where mists and spray cannot be avoided.

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

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: Pungent, acidic

APPEARANCE: Colorless, clear

pH: Less than 2 (5% solution)

PERCENT VOLATILE: approximately 90%

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

VAPOR PRESSURE: same as water (approximately)

VAPOR DENSITY: same as water (approximately)

BOILING POINT: approx - 100 C

FREEZING POINT: approx - 0 C

SOLUBILITY IN WATER: Complete in all proportions

EVAPORATION RATE: same as water (approximately)

SPECIFIC GRAVITY: 1.08 to 1.12

(VOC): < 0.100 percent

10. STABILITY AND REACTIVITY

STABLE: Yes

HAZARDOUS POLYMERIZATION: No

POSSIBILITY OF HAZARDOUS REACTIONS: Reacts with metals such as aluminum and magnesium and releases hydrogen, a flammable gas.

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

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

11. TOXICOLOGICAL INFORMATION

ACUTE

DERMAL LD_{50}: > 900 mg/kg (rabbit)

INHALATION LC_{50}: > 3124 mg/l (rat), 1 hr

EYE EFFECTS: Severe irritation, pain, burns, and destruction of tissues. 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.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: No data

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Unused product would be considered a hazardous waste. Follow appropriate local, state, and federal regulations

FOR LARGE SPILLS: Contain spill and keep from entering sewers, ditches, waterways, etc. Collect spilled material and store in properly labeled containers for re-use or disposal. Thoroughly wash spill area with water. Collect rinse water and neutralize before discharging.

PRODUCT DISPOSAL: Dispose of unused product in accordance with all applicable Federal, state, and local regulations. Small amounts may be diluted and neutralized.

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: Compound, Cleaning Liquid, n.o.s. (contains hydrochloric acid), 8, NA 1760, II

TECHNICAL NAME: Compound, Cleaning Liquid, n.o.s. (contains Hydrochloric Acid)

PRIMARY HAZARD CLASS/DIVISION: 8

UN/NA NUMBER: NA 1760

PACKING GROUP: II

REPORTABLE QUANTITY (RQ) UNDER CERCLA: Greater than 10,000 lbs (product as made)

PLACARDS: Corrosive

LABEL: CORROSIVE

MARINE POLLUTANT #1: no

VESSEL (IMO/IMDG)

SHIPPING NAME: Hydrochloric Acid

TECHNICAL NAME: Hydrochloric Acid

UN/NA NUMBER: UN 1789

PRIMARY HAZARD CLASS/DIVISION: 8

PACKING GROUP: II

EmS: F-A, S-B

MARINE POLLUTANT #1: no

PLACARDS: Corrosive

LABEL: Corrosive

15. REGULATORY INFORMATION

UNITED STATES

DOT LABEL SYMBOL AND HAZARD CLASSIFICATION

Corrosive

R20/21/22: Harmful by inhalation, in contact with skin and if swallowed.

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

311/312 HAZARD CATEGORIES: Corrosive, Immediate (Acute) Health Hazard

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

SECTION 312 THRESHOLD PLANNING QUANTITY (40 CFR370): 2500 pounds

313 REPORTABLE INGREDIENTS: Hydrogen chloride (present as hydrochloric acid)

EPCRA SECTION 313 SUPPLIER NOTIFICATION

Chemical Name	Wt.%	CAS
Hydrochloric Acid	~ 20	7647-01-0

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

Chemical Name	Wt.%	CERCLA RQ
Hydrochloric Acid	~ 20	5,000

CERCLA RQ: 2500 lbs

REPORTABLE SPILL QUANTITY: 2500 lbs

EPA

EPA RQ INGREDIENT: Hydrochloric Acid

EPA RQ PRODUCT: 2500 lbs

TSCA (TOXIC SUBSTANCE CONTROL ACT)

Chemical Name	CAS
Water	7732-18-5
Hydrochloric Acid	7647-01-0
Oxalic Acid	144-62-7

TSCA REGULATORY: All ingredients are on the TSCA inventory or are not required to be listed.

CLEAN AIR ACT

Chemical Name	Wt.%	CAS
Hydrochloric Acid	~ 20	7647-01-0

REGULATIONS

STATE REGULATIONS: Hydrochloric Acid (CAS 7647-01-0): MA RTK, NJ WCRTK, PA WCRTK, RI RTK

CALIFORNIA PROPOSITION 65: Contains the following ingredients known to the State of Caliornia to be carcinogenic: NONE

RCRA STATUS: RCRA Hazardous Waste (D002 Corrosive)

16. OTHER INFORMATION

REASON FOR ISSUE: Convert to GHS format

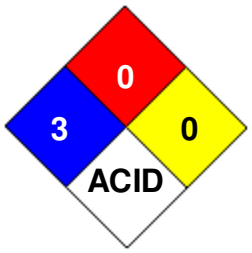
APPROVED BY: H. Zeller

PREPARED BY: CSCC **Date Prepared:** 1/15/2015

HMIS RATING

HEALTH	3
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	X

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.