SAFETY DATA SHEET

JOHN-HENRY ENTERPRISES, INC.

Date Prepared : 5/5/2015
SDS No : CMC-22

CMC-22

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: CMC-22
GENERAL USE: Masonry Cleaner
PRODUCT CODE: 5409

MANUFACTURER

JOHN-HENRY Enterprises, Inc.
2813 Richland Ave
Metarie, 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:

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

Physical:

Corrosive to Metals, Category 1

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.

Eye/Skin/Respiratory Irritant

CORROSIVE

SIGNAL WORD: DANGER

HAZARD STATEMENTS

H290: May be corrosive to metals.
H302: Harmful if swallowed.
H314: Causes severe skin burns and eye damage.
H335: May cause respiratory irritation.

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.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P284: Wear respiratory 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, contact causes severe eye burns.

SKIN: Contact causes 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, sprays, or vapor can be irritating to eyes and respiratory tract.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
Hydrochloric Acid	25 - 30	7647-01-0
Ethoxylated Linear Alcohols	~ 1	Proprietary

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. 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). 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. Treat for thermal burns.

5. FIRE FIGHTING MEASURES

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

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

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, nitrogen, and sulfur, organosulfur, organonitrogen, and hydrocarbon residues and acrid 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. Ventilate the area and remove uninvolved personnell. 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.

ENVIRONMENTAL PRECAUTIONS

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

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 alkalies or oxidizing materials. Keep containers tightlyc losed 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/m³**	**ppm**	**mg/m³**
Hydrochloric Acid	**TWA**	5 (ceiling)		2 (ceiling)	

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 rain suit if there is a possibility of exposure to spray or heavy mists

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: Sharp, pungent, acidic

APPEARANCE: clear, pale amber liquid

pH: < 2.0 (5%)

PERCENT VOLATILE: greater than 95%

FLASH POINT AND METHOD: > (200°F) TCC

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: 1.07 to 1.09

10. STABILITY AND REACTIVITY

STABLE: Yes

HAZARDOUS POLYMERIZATION: No

CONDITIONS TO AVOID: Store below 100 deg F

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 iron (causes decomposition) and zinc or mgnesium (releases hydrogen gas)

11. TOXICOLOGICAL INFORMATION

ACUTE

ORAL LD_{50}: > 900 mg/kg (rat)

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

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

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: UN1789, Hydrochloric Acid Solution, N.O.S., 8, II

PLACARDS: Corrosive

LABEL: Corrosive

MARINE POLLUTANT #1: No

VESSEL (IMO/IMDG)

SHIPPING NAME: UN1789, HYDROCHLORIC ACID, SOLUTION, N.O.S., 8, II

EmS: F-A, S-B

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), chronic health hazard (respiratory), reactivity

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

313 REPORTABLE INGREDIENTS: Hydrochloric acid

EPCRA SECTION 313 SUPPLIER NOTIFICATION

Chemical Name	Wt.%	CAS
Hydrochloric Acid	25 - 30	7647-01-0

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

Chemical Name	Wt.%	CERCLA RQ
Hydrochloric Acid	25 - 30	5,000

CERCLA RQ: greater than 10000 lbs (as supplied)

EPA

EPA RQ INGREDIENT: Hydrochloric acid

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

TSCA (TOXIC SUBSTANCE CONTROL ACT)

Chemical Name	CAS
Hydrochloric Acid	7647-01-0
Ethoxylated Linear Alcohols	Proprietary
Quaternary Ammonium Compounds, Ethyl Bis (hydroxyethyl) Tallow Alkyl, Ethyl Sulfates, Ethoxylated	68071-95-4

TSCA STATUS: All ingredients are included ont the TSCA Inventory or are exempt

CLEAN AIR ACT

Chemical Name	Wt.%	CAS
Hydrochloric Acid	25 - 30	7647-01-0

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

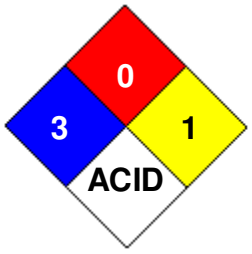
APPROVED BY: H. Zeller

PREPARED BY: CSCC **Date Prepared:** 5/5/2015

HMIS RATING

HEALTH	3
FLAMMABILITY	0
PHYSICAL HAZARD	1
PERSONAL PROTECTION	X

NFPA CODES



GENERAL STATEMENTS: Amounts specified herein (other than for regulatory purposes) are typical and do not represent a specification. Unspecified or unlistedcomponents are proprietary, do not present a hazard at levels present, are not hazardous, and/or are present lt levels below reportable limits. Exact percentage valuse for all 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 or physical 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 material that exist.