



**JOHN-HENRY  
ENTERPRISES, INC.**

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TELEPHONE NUMBER FOR INFORMATION: 504-888-8989  
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**SECTION I: PRODUCT IDENTIFICATION**

**MANUFACTURER:**  
John-Henry Enterprises, Inc.  
2813 Richland Ave.  
Metairie, LA 70002

**PRODUCT NAME: CMC-33**  
**PRODUCT CODE: 5418**  
**GENERIC DESCRIPTION: Scale Build-Up Remover**  
**DATE REVISED: June 21, 2012**

**SECTION II: PHYSICAL DATA**

**APPEARANCE:** clear, amber  
**ODOR:** sharp, acidic  
**PH (CONC):** <2  
**SPECIFIC GRAVITY:** 1.12  
**% VOLATILE (WT - 1 HR. @ 105° C):** not determined  
**SOLUBILITY IN WATER:** complete

**MELTING / FREEZING POINT:** <0° C  
**BOILING RANGE:** 215° F  
**VAPOR PRESSURE:** same as water  
**EVAPORATION RATE (N - BUOAC = 1):** <1  
**VAPOR DENSITY (AIR = 1):** >1

**SECTION III: INGREDIENTS**

SECTION III: INGREDIENTS	CAS#	TLV	PEL	STEL	%
Detergents	Mixture	N/E	N/E	N/E	3-6
Mineral Acid	Mixture	5 ppm	5 ppm	N/E	60-80
Phosphoric Acid	Mixture	1 mg/m3	3 mg/m3	N/E	<5
Chelates		N/E	N/E	N/E	<5

The formulation of this product and the chemical name(s) of the ingredients are proprietary. However, more detailed information will be provided to qualified personnel in case of an emergency. All components are listed in the TSCA Inventory.  
(1) ACGIH (2) OSHA (3) Other (specify) N/A = None or Not Applicable N/D = Not Determined N/E = Not Established

**SECTION IV: HEALTH HAZARD DATA**

**HAZARD SUMMARY for PRODUCT**

Corrosive. Can cause severe irritation and burns to eyes. Can irritate and burn skin. Mists and fumes can irritate eyes, nose, and throat.

**HMS RATINGS:** HEALTH - 3 FLAMMABILITY - 0 REACTIVITY - 1 PERSONAL PROTECTION - D

**EFFECTS OF OVEREXPOSURE (ACUTE):**

**EYE CONTACT.....** Can cause severe irritation and burns, leading to permanent loss of vision.  
**SKIN CONTACT...** Can cause severe irritation and burns which may lead to permanent scarring.  
**INHALATION.....** Mists, sprays, and fumes can irritate eyes, nose, and throat.  
**INGESTION.....** May cause nausea, vomiting, diarrhea, and gastrointestinal distress. May cause burns to and perforation of tissues in mouth, throat, esophagus, and stomach.

**PRIMARY ROUTES OF EXPOSURE:** skin, inhalation

**CHRONIC EFFECTS OF OVEREXPOSURE:**  
none known

**FIRST AID PROCEDURES**

**EYE CONTACT.....** Immediately flush eyes with water for at least 15 minutes or until discomfort eases. Treat eye contact as a medical emergency. Cover eyes loosely with sterile gauze or dressing and seek immediate medical attention.  
**SKIN CONTACT...** Flush off with soap and water. Treat burns as if caused exposure to heat. Remove and wash contaminated clothing.  
**INHALATION.....** Move to fresh air. Give O2 if breathing is difficult or artificial respiration if breathing has stopped (get medical attention). Seek medical attention if symptoms are acute and/or persistent  
**INGESTION.....** Give water, milk, or antacid unless unconscious or convulsing. Do not induce vomiting. Keep warm. Contact physician or poison control center immediately.

**SECTION V: FIRE AND EXPLOSION DATA**

**FLASH POINT:** None **LEL:** N/D

**EXTINGUISHING MEDIA:** not combustible as supplied

**UNUSUAL FIRE AND EXPLOSION HAZARDS:**

Plastic or steel drums may burst if exposed to flame or high heat. Cool drums with water fog or spray in case of fire. Exposure to heat or flame can cause the release of highly irritating acid fumes.

**SPECIAL FIRE FIGHTING PROCEDURES:**

Wear self-contained breathing apparatus when fighting chemical fires. Cool drums exposed to flames and/or knock down fumes with water fog.

PRODUCT NAME: CMC-33

**SECTION VI: REACTIVITY DATA**

STABILITY: stable

HAZARDOUS POLYMERIZATION: will not occur

CONDITIONS TO AVOID:.... none

INCOMPATIBILITY:..... Strong alkalis, metals (releases hydrogen, a flammable gas)

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: none

**SECTION VII: SPILL OR LEAK PROCEDURES****STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:**

Ventilate the area and remove all nonessential personnel. Contain spill keep from entering sewers, drains, ditches, or surface waterways. Collect into properly labeled containers disposal or reuse. Rinse spill area with water or dilute alkaline solution.

**WASTE DISPOSAL**

Dilute, neutralize, and biodegrade in accordance with applicable regulations. Unused, undiluted, or unneutralized product will constitute an RCRA regulated hazardous waste due to corrosivity (D002)

**SECTION VIII: SPECIAL PROTECTION INFORMATION**

**RESPIRATORY PROTECTION:**.....Wear a NIOSH approved acid vapor respirator in enclosed areas or if mists, vapors, or spray become excessive.

**VENTILATION:** ..... Local exhaust for enclosed areas.

**PROTECTIVE GLOVES:** .....Wear latex, Neoprene, or other impermeable gauntlet type gloves.

**EYE PROTECTION:** .....Wear face shield or chemical goggles.

**Other Protective Clothing or Equipment** .....Eyewash stations and safety showers should be located in or near all areas where chemicals are stored or handled. Wear synthetic apron and boots.

**SECTION IX: MISCELLANEOUS INFORMATION****SPECIAL PRECAUTIONS:**

Wear recommended personal protective equipment when handling. Avoid contact with skin and eyes. Avoid exposure to spray, mists, vapors, and fumes. Wash thoroughly after handling chemicals. Store and use in well ventilated areas and keep container closed when not in use. Keep out of the reach of children.

**D.O.T. SHIPPING NAME:**..... Compounds, cleaning liquid (contains hydrochloric acid and hydroxyacetic acid), 8, NA 1760, II

**SARA TITLE III SECTION 313 INFORMATION**

This product contains the following chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right -to-Know Act of 1986 and of 40 CFR 372. However, the specific identity of the material(s) listed is proprietary and is withheld in accordance with Part 372.45(e):

<u>Component</u>	<u>Concentration</u>
Mineral Acid	<20%

**OTHER INFORMATION:**

The reportable quantity for this material is 17000 lbs based on the mineral acid content.

To the best of our knowledge, the information contained herein is accurate. However, no liability whatsoever is assumed for its accuracy and 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 this product that exist.