

SAFETY DATA SHEET



Date issued : 05/05/2015
SDS number : CMC33
Date revised : 07/17/2024
Revision number : 3

CMC-33

1. Identification

Product code: 5418
Product identifier: CMC-33
Relevant identified uses: Concrete and Masonry Cleaner

Manufacturer / Supplier

John-Henry Enterprises, Inc.
800 Central Ave.
Jefferson, LA 70121

Emergency contact: H. Zeller

Emergency Phone: 504-888-8989

Web: www.john-henry.com

Emergency telephone number (24 hour)

US/Canada: 800-535-5053

2. Hazard identification

Classification of the substance or mixture

Health hazards:

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

Physical hazards:

Corrosive to Metals, Category 1

Label elements



Irritant



Severe
Irritant/Corrosive

Hazard statement(s)

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

Precautionary statement(s)

Supplemental label elements:

P102: Keep out of reach of children.
P103: Read carefully and follow all instructions.

Prevention:

P280: Wear protective gloves/protective clothing/eye protection/face protection.
P284: [In case of inadequate ventilation] wear respiratory protection.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P260: Do not breathe dust/fume/gas/mist/vapours/spray.
P262: Do not get in eyes, on skin, or on clothing.

Response:

2445D9YI: Immediately take off all contaminated clothing and footwear. Wash contaminated clothing before reuse.
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)
P304+P341: IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
0505GPKQ: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. (See First Aid Section for more detailed information).

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.

Potential health effects

Eye: Severely irritating and may cause temporary blurring of vision and temporary damage. May cause burns and permanent damage.

Skin: Corrosive, causes skin burns and severe irritation

Ingestion: Causes severe irritation and possibly burns to mouth, throat, esophagus, and gastrointestinal system. May cause gastrointestinal discomfort, including nausea, vomiting, diarrhea, etc

Inhalation: Mists or sprays can be severely irritating to eyes and respiratory tract.

3. Composition/information on ingredients

Chemical name	% w/w	CAS No.
Hydrochloric Acid	25 - 30	7647-01-0

4. First-aid measures

Eye: 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). 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.

Indication of immediate medical attention and special treatment needed, if necessary: Treat symptomatically. Treat for thermal burns. Take precautions to prevent exposure to emergency and medical personnel to material.

5. Fire-fighting measures

Flammable class: Not Applicable - Water based product with no flashpoint.

General hazard: Boiling product can release irritating, acidic fumes.

Suitable 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: Oxides of carbon 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. Ventilate the area and remove uninvolved personnel. 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, drains, or public sewers

7. Handling and storage

Precautions for safe 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.

Conditions for safe 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 controls

Control parameters			
Occupational exposure limit values			
Chemical name	Type	ppm	mg/m ³
Hydrochloric Acid	OSHA PEL	TWA	5 (ceiling)
	ACGIH TLV	TWA	2 (ceiling)

Appropriate 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.

Individual protection measures, such as personal protective equipment

Eye / face protection: Wear safety glasses or goggles and face shield (recommended) when handling.

Skin protection - hand protection: Wear rubber, latex, or other chemical resistant gauntlet gloves and boots

Respiratory protection: Use with adequate ventilation. Wear a NIOSH approved acid absorbing, air purifying respirator where fumes, mists or spray are excessive or exceed exposure limits.

Skin protection - other: Wear chemically resistant rain suit if there is a possibility of exposure to spray or heavy mists

Occupational hygiene 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

Appearance: clear, pale amber liquid

Odor: Sharp, pungent, acidic

pH: < 2.0 (5%)

Freezing point: less than 32 deg F (0 deg C)

Initial boiling point and boiling range: greater than 212 deg F

Flash point: > (200°F) TCC

Evaporation rate (n-butyl acetate = 1): Same as water (approximately)

Vapor pressure: Same as water (approximately)

Relative vapor density: Same as water (approximately)

Relative density: 1.12 to 1.14

Solubility: Complete in all proportions.

Viscosity: Same as water (approximately)

Percent volatiles: greater than 95%

10. Stability and reactivity

Reactivity: Yes

Dangerous 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 alkalis to generate acidic steam.

Incompatible materials: Strong alkalis (bases), chlorine bleach, oxidizing and reducing agents, metals such as iron (causes decomposition) and zinc or magnesium (releases hydrogen gas)

11. Toxicological information

Acute toxicity

Acute oral toxicity LD₅₀: > 900 mg/kg (rat)

Acute inhalation toxicity LC₅₀: > 3124 mg/l, 1 hr (rat)

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 methods: 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

USA Department of Transport Regulations (DOT)

UN proper shipping name: UN1760, Corrosive Liquid, n.o.s. (contains hydrochloric acid), 8, II

Reportable quantity (rq) under CERCLA: greater than 10000 lbs (as supplied)

Placards: Corrosive

Hazard label: Corrosive

Environmental hazards - marine pollutant: No

IMO / IMDG - International

UN proper shipping name: UN1789, HYDROCHLORIC ACID SOLUTION, N.O.S., 8, PG II

EmS: F-A, S-B

Environmental hazards - marine pollutant: No

Placards: Corrosive

Hazard label: Corrosive

15. Regulatory information

UNITED STATES

Dot label symbol and hazard classification



Corrosive

SARA Section 311/312 Hazard Categories

311/312 Health hazards: Acute health hazard (eye and skin irritation), chronic health hazard (respiratory), reactivity

313 reportable ingredients: Hydrochloric acid

EPCRA Section 313 Toxic Chemicals

Chemical name	% w/w	CAS No.
Hydrochloric Acid	25 - 30	7647-01-0

CERCLA Hazardous Substances and Reportable Quantities (RQ)

Chemical name	% w/w	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 (The Toxic Substances Control Act)

Chemical name	CAS No.
Hydrochloric Acid	7647-01-0

TSCA Status: All ingredients are included on the TSCA Inventory or are exempt

CAA 112(b) Hazardous Air Pollutants

Chemical name	% w/w	CAS No.
Hydrochloric Acid	25 - 30	7647-01-0

California Proposition 65: Contains no substances known to the State of California to cause cancer in quantities above the de minimus level.

16. Other information

Reason for issue: New Address

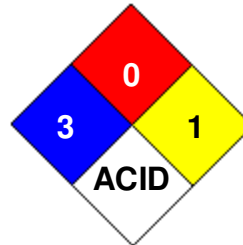
Approved by: H. Zeller

Prepared by: CSCC **Date revised:** 07/17/2024

Revision summary: This SDS replaces the 02/14/2022 SDS. Revised: **Section 1:** Reason for issue. **Section 2:** Classification of the substance or mixture, Label elements, Precautionary statement(s).

HMIS rating

Health	<input type="checkbox"/>	3
Flammability		0
Physical hazard		1
Personal protection	<input checked="" type="checkbox"/>	

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)

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.