

SAFETY DATA SHEET



Date issued : 05/05/2015
SDS number : CMC-22
Date revised : 07/17/2024
Revision number : 4

CMC-22

1. Identification

Product code: 5409
Product identifier: CMC-22
Relevant identified uses: Cement Truck 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)

Prevention:

P102: Keep out of reach of children.
P103: Read carefully and follow all instructions.
P260: Do not breathe dust/fume/gas/mist/vapours/spray.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P284: [In case of inadequate ventilation] wear respiratory protection.
75990X3S: Keep only in original container. Store in a cool, well-ventilated space. Keep container tightly closed.

3. Composition/information on ingredients

Chemical name	% w/w	CAS No.
Hydrochloric Acid	25 - 30	7647-01-0
Ethoxylated Linear Alcohols	~ 1	Proprietary

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.

Most important symptoms and effects, both acute and delayed

Eye: Severe irritation or pain, blurring and loss of vision, burns and/or 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.

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. Flash point greater than 200 deg F.

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: After water has evaporated, burning solids will produce oxides of carbon, nitrogen, and sulfur, organosulfur, organonitrogen, and hydrocarbon residues and acid 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

Chemical name	Control parameters			
	Occupational exposure limit values			
	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: 1.07 to 1.09

Solubility: Complete in all proportions.

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

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

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
Ethoxylated Linear Alcohols	Proprietary

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, birth defects, or reproductive harm.

16. Other information

Reason for issue: New Address

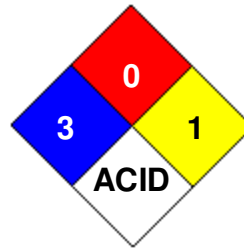
Approved by: H. Zeller

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	<input type="checkbox"/>	0
Physical hazard	<input type="checkbox"/>	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.