

# SAFETY DATA SHEET



Date issued : 06/18/2015  
SDS number : 5801  
Date revised : 07/17/2024  
Revision number : 6

## JOHN-HENRY 1

### 1. Identification

**Product code:** 5801  
**Product identifier:** JOHN-HENRY 1  
**Relevant identified uses:** Acidic Truck Wash (Part 1 of Two Step Wash System)

#### 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:

Eye Corrosion, Category 1  
Skin Corrosion, Category 1  
Respiratory Tract Irritation, Category 2

##### Environmental hazards:

Acute Hazards to the Aquatic Environment, Category 2

#### Label elements

CORROSIVE. Causes severe irritation and burns to skin. Causes severe burns and damage to eyes. Mists and spray can be irritating to eyes, nose, throat, and respiratory tract. Harmful or fatal if swallowed.



Severe

Irritant/Corrosive



Irritant

**Signal word:** DANGER

#### Hazard statement(s)

H314: Causes severe skin burns and eye damage.  
H290: May be corrosive to metals.  
H301: Toxic if swallowed.  
H333: May be harmful if inhaled.

#### Precautionary statement(s)

##### Supplemental label elements:

P102: Keep out of reach of children.  
P103: Read carefully and follow all instructions.  
P202: Do not handle until all safety precautions have been read and understood.  
P271: Use only outdoors or in a well-ventilated area.

##### Prevention:

P262: Do not get in eyes, on skin, or on clothing.  
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.  
9913FBB7: Wear protective gloves/protective clothing/eye protection/face protection. Wash thoroughly after handling.  
P270: Do not eat, drink or smoke when using this product.  
P285: In case of inadequate ventilation wear respiratory protection.

##### Response:

P361+P364: Take off immediately all contaminated clothing and wash it 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)  
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).  
P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

**Storage:**

71797F9V: Keep only in original container. Store in a well-ventilated place. Keep container tightly closed. Store away from incompatible materials (See Section 10 of SDS)

**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**

**Eye:** Corrosive to the eyes and may cause severe damage including tissue destruction and/or blindness.

**Skin:** Contact causes severe skin irritation and possible burns. Development of burns and ulcers may be delayed.

**Ingestion:** Causes severe irritation, burns, and damage to mouth, throat, esophagus, and stomach. May be fatal if swallowed

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

**Comments:** Contains HYDROFLUORIC ACID. Toxic by inhalation, skin contact, and if swallowed. Causes severe burns and permanent injury to eyes. Causes burns to skin. Burns may be delayed and exposure may cause damage to tissue and bone in the contact area. Inhalation of vapors is irritating to the respiratory system and can cause pulmonary edema and pneumonitis.

**3. Composition/information on ingredients**

Chemical name	% w/w	CAS No.
Hydrofluoric Acid	2 - 3	7664-39-3
Other ingredients are not hazardous or are present at levels that do not present a significant hazard.	> 60	Mixture

**4. First-aid measures**

**Eye:** Treat eye contact and a medical emergency (call 911). Gently hold eyelids open and immediately flush eyes with water for at least 15 minutes or until pain eases. Remove contact lenses if possible. Cover eyes loosely with sterile dressing and SEEK IMMEDIATE MEDICAL ATTENTION.

**Skin:** Remove contaminated clothing and footwear. Flush off with copious amounts of running water. Treat exposed areas with a cold solution containing 1% benzethonium chloride for at least thirty minutes. Seek medical attention if irritation persists, worsen, or if burns and ulcers develop.

**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 spray or mist, move to fresh air. Seek medical attention if symptoms persist or worsen.

**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 burns. Development of burns and ulcers may be delayed.

**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 irritate eyes, nose, throat, and respiratory tract.

**Indication of immediate medical attention and special treatment needed, if necessary:** This product contains hydrofluoric acid. Take appropriate protective and preventive measures.

**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. Cool with water spray.

**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 spill. Avoid runoff into storm sewers and ditches which lead to waterways. Rinse spill area with water or dilute alkaline solution. Dispose of contaminated absorbent material properly.

**Large spill:** Wear appropriate PPE. Remove uninvolved personnel from and ventilate the area. Stop and contain flow and keep spilled material from entering sewer or surface waterways. Collect spilled material and store in suitable, properly labeled containers for use or disposal. Rinse spill area thoroughly with water or a dilute alkaline solution.

## 7. Handling and storage

**Precautions for safe handling:** Avoid contact with eyes and prolonged contact with skin. Read and understand product label and SDS before handling any chemical. Always wear recommended personal protective equipment. Follow label cautions and instructions.

**Conditions for safe storage:** Store in original containers in well ventilated area. Keep containers closed when not in use.

**Storage temperature:** Store at temperatures below 100 deg F.

## 8. Exposure controls/personal protection

### Exposure controls

Chemical name	Control parameters			
	Occupational exposure limit values			
	Type		ppm	mg/m <sup>3</sup>
Hydrofluoric Acid	OSHA PEL	TWA	3	
	ACGIH TLV	TWA	0.5	

**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 acid resistant outer garments, impermeable boots and gloves when handling.

**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.

**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, blue liquid

**Odor:** Sharp, acidic

**pH:** < 2

**Notes:** as made

**Freezing point:** approx. 32 deg F

**Initial boiling point and boiling range:** approx. 212 deg F

**Flash point:** Not applicable - water based product

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

**Explosion limit / flammability limit notes:** Not Applicable

**Vapor pressure:** Same as water (approximately)

**Relative vapor density:** Same as water (approximately)

**Relative density:** 1.01 to 1.03.

**Solubility:** Complete in all proportions.

**Viscosity:** Same as water (approximately)

**Percent volatiles:** greater than 95%

## 10. Stability and reactivity

**Reactivity:** No

**Dangerous polymerization:** No

**Possibility of hazardous reactions:** Reacts with metals (releases hydrogen, a flammable gas). Reacts vigorously with concentrated alkalies to generate acidic steam.

**Hazardous decomposition products:** Oxides of carbon and hydrocarbon residues, acidic fumes

**Incompatible materials:** Concentrated alkalies and oxidizing agents.

## 11. Toxicological information

**Acute toxicity**

**Notes:** No toxicity data available for product

**Skin corrosion / irritation:** Concentrated product is corrosive to skin, eyes, and metals.

**Carcinogenicity**

**Notes:** Contains no known or suspected carcinogens.

## 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 hydrofluoric acid), 8 (6.1), II

**Reportable quantity (rq) under CERCLA:** 500 pounds (product as supplied)

**Placards:** Corrosive

**Hazard label:** Corrosive

**IMO / IMDG - International**

**UN proper shipping name:** UN1790, HYDROFLUORIC ACID SOLUTION, N.O.S., 8 (6.1), III

**UN number:** UN1790

**Transport hazard class(es):** 8

**Secondary hazard class/division:** 6.1

**Packing group, if applicable:** II[

**Placards:** Corrosive, Toxic

**Hazard label:** Corrosive, Toxic

## 15. Regulatory information

**UNITED STATES**

**Dot label symbol and hazard classification**



Corrosive

**SARA Section 311/312 Hazard Categories**

**311/312 Health hazards:** Corrosive

**Section 312 threshold planning quantity (40 cfr370):** 4000 lbs (as supplied)

**313 reportable ingredients:** Hydrogen Fluoride (present as hydrofluoric acid)

**EPCRA Section 313 Toxic Chemicals**

Chemical name	% w/w	CAS No.
Hydrofluoric Acid	2 - 3	7664-39-3

**CERCLA Hazardous Substances and Reportable Quantities (RQ)**

Chemical name	% w/w	CERCLA rq
Hydrofluoric Acid	2 - 3	100

**CERCLA rq:** 4000 lbs (as supplied)

**EPA**

**EPA rq ingredient:** Hydrogen fluoride (present as hydrofluoric acid)

**EPA rq product:** 4000 lbs (as supplied)

**TSCA (The Toxic Substances Control Act)**

Chemical name	CAS No.
Hydrofluoric Acid	7664-39-3

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

**CAA 112(b) Hazardous Air Pollutants**

Chemical name	% w/w	CAS No.
Hydrofluoric Acid	2 - 3	7664-39-3

**California Proposition 65:** Contains no substances known to the State of California to cause cancer.

**16. Other information**

**Reason for issue:** New Address

**Approved by:** H. Zeller

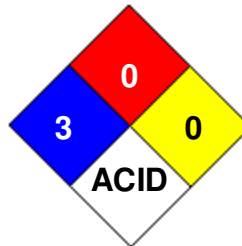
**Prepared by:** CSCC **Date revised:** 07/17/2024

**Revision summary:** This SDS replaces the 02/11/2022 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"/>	0
Personal protection	<input checked="" type="checkbox"/>	X

**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.