SAFETY DATA SHEET

JOHN-HENRY ENTERPRISES, INC.

Date Prepared : 2/5/2015
SDS No : 5829

JOHN-HENRY 1-AS

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: JOHN-HENRY 1-AS
GENERAL USE: Two Step Truck Wash (Acid Step Detergent)
PRODUCT CODE: 5829

MANUFACTURER

John-Henry Enterprises, Inc.
2813 Richland Ave.
Metairie, LA 70002
Emergency Contact: Henry Zeller
Emergency Phone: 504-888-8989

24 HR. EMERGENCY TELEPHONE NUMBERS

US/Canada: 800-535-5053

International: 01-352-323-3500

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATIONS

Health:

Eye Iritation/Corrosion, Skin Irritation/Corrosion

Environmental:

Acute Hazards to the Aquatic Environment

Physical:

Corrosive to Metals

GHS LABEL

ACIDIC PRODUCT. Can cause severe irritation and possibly burns and permanent damage to eyes and skin. Mists and spray are irritating to eyes, nose, throat, and respiratory tract. Reacts with metals such as aluminum or zinc and releases hydrogen, a flammable gas.

Strong
Irritant

SIGNAL WORD: WARNING

HAZARD STATEMENTS

H412: Harmful to aquatic life with long lasting effects.
8890RINB: Corrosive to metals. Harmful if swallowed. Causes severe skin burns and eye damage. May cause respiratory irritation.

PRECAUTIONARY STATEMENTS

General:

P102: Keep out of reach of children.
P103: Read label before use.

P202: Do not handle until all safety precautions have been read and understood.
1527U85P: Avoid breathing dust/fume/gas/mist/vapours/spray. Do not eat, drink or smoke when using this product. Do not get in eyes, on skin, or on clothing.
6178CDBW: P403+P233+P234: Store in a well-ventilated place. Keep container tightly closed. Keep only in original container.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
Sulfamic Acid	2 - 5	5329-14-6

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. Cover eyes loosely with sterile dressing and SEEK IMMEDIATE MEDICAL ATTENTION.

SKIN: Remove contaminated clothing and footwear. Flush off with running water. Treat burns as if caused by heat or flame. Seek medical attention for extensive burns or if irritation persists

INGESTION: Get immediate medical attention (Call 911). Give water or milk unless unconscious or convulsing. Keep patient calm, warm, and quiet. Do not induce vomiting unless instructed to do so by poison control center or physician.

INHALATION: Move to fresh air if affected by spray, mists, or fumes. Seek medical attention if symptoms persist.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

EYES: Severe irritation or pain, blurring or loss of vision. burns to or around eyes.

SKIN: Can cause moderate to severe irritation and burns. May cause delayed burns and ulcerations.

INGESTION: Harmful or fatal if swallowed. Can cause nausea, vomiting, diarrhea, gastrointestinal distress. Can cause burns to lips, mouth, esophagus, and stomach

INHALATION: No vapor hazard. Mists and spray can cause sneezing, coughing, and irritation to nose, throat, and respiratory system.

NOTES TO PHYSICIAN: This product contains less than 0.5% hydrofluoric Acid. Take appropriate measures. Consult this Safety Data Sheet for other hazardous information and safe handling precautions.

5. FIRE FIGHTING MEASURES

FLAMMABLE CLASS: NA = Not Applicable

HAZARDOUS COMBUSTION PRODUCTS: After all water has evaporated, burning solids will produce oxides of carbon and sulfur, hydrocarbon and organosulfur residues, and acidic fumes

EXPLOSION HAZARDS: Product containers may burst if exposed to flame or high heat. Cool exposed containers with water fog or spray.

FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus when fighting chemical fires. Use water for to cool containers exposed to fire.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Contain and absorb spill with sand, clay or other inorganic absorbent. Rinse spill area with water. Dispose of contaminated absorbant material properly.

LARGE SPILL: Wear appropriate PPE. Remove unnecessary personnel from area. Ventilate the area. Stop flow and contain spilled material. Prevent it from reaching sewer, drains, ditches, or surface waterways. Collect spilled material and store in suitable, properly labeled containers for disposal or reuse. Rinse spill area thoroughly with water.

ENVIRONMENTAL PRECAUTIONS

WATER SPILL: Avoid release of product into sewer, drains, ditches, or surface waterways.

7. HANDLING AND STORAGE

HANDLING: Read and understand product label and SDS before handling any chemical. Always wear recommended Personal Protective Equpment. Follow label instructions.

STORAGE: Store in original containers in a well ventilated area. Keep containers closed when not in use.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: Maintain sufficient ventilation in storage and use areas to prevent the accumulation of product vapors, spray, or mist. Provide local exhaust for enclosed areas.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Wear safety glasses or chemical goggles and face shield when handling

SKIN: Wear acid resistant clothing and impermeable gloves and boots when using product.

RESPIRATORY: Use with adequate ventilation. Wear a NIOSH approved acid absorbing respirator in areas where mists vapors are excessive or exceed exposure limits.

WORK HYGIENIC PRACTICES: Do not smoke, eat, or drink while handling this product. After using product, wash thoroughly before eating, drinking, or using the facilities.

OTHER USE PRECAUTIONS: Working eyewash stations and safety showers should be located in or near all areas where chemicals are stored or handled.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

ODOR: Mild, acidic

APPEARANCE: Blue, clear

pH: Less than 2 (as made)

PERCENT VOLATILE: greater than 90%

FLASH POINT AND METHOD: greater than 200 deg F (closed cup)

VAPOR PRESSURE: same as water (approximately)

VAPOR DENSITY: same as water (approximately)

BOILING POINT: 100 - 105 deg C

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: 0.98 to 1.000

VISCOSITY: same as water (approximately)

(VOC): less than 0.1%

10. STABILITY AND REACTIVITY

STABLE: Yes

HAZARDOUS POLYMERIZATION: No

POSSIBILITY OF HAZARDOUS REACTIONS: Reacts with concentrated acids and with reactive metals like aluminum.

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon and sulfur, organosulfur and hydrocarbon residues, acidic fumes

INCOMPATIBLE MATERIALS: Concentrated alkalies and caustics, oxidizing agents, metals such as zinc, aluminum or iron (releases hydrogen, a flammable gas)

11. TOXICOLOGICAL INFORMATION

EYE EFFECTS: Severe irritation, pain, and burns. May cause permanent loss of vision.

SKIN EFFECTS: Moderate to severe irritation and burns. Burns and ulcerations may develop some time after exposure.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: No data

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Surfactants and other organic components are biodegradable. Collect and neutralize spent solution and discharge to waste water treatment facility.

FOR LARGE SPILLS: Contain spill and keep from entering sewers, ditches, waterways, etc. Collect spilled material and store in properly labeled containers for re-use or disposal. Thoroughly wash spill area with water. Collect rinse water and neutralize before discharging.

PRODUCT DISPOSAL: RCRA regulated. Dispose of unused product in accordance with all applicable Federal, state, and local regulations.

EMPTY CONTAINER: Empty containers may contain product residues. Rinse thoroughly with water. Recycle cleaned, used containers.

RCRA/EPA WASTE INFORMATION: Unused or undiluted material would constitute an RCRA hazardous waste due to pH of 2.0 or less.

RCRA HAZARD CLASS: D002 - Corrosive

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: UN1760, Corrosive liquid n.o.s., (contains sulfamic acid), 8, II

VESSEL (IMO/IMDG)

SHIPPING NAME: Not regulated

15. REGULATORY INFORMATION

UNITED STATES

DOT LABEL SYMBOL AND HAZARD CLASSIFICATION

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

311/312 HAZARD CATEGORIES: Immediate (Acute) Health Hazard

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

313 REPORTABLE INGREDIENTS: None

TSCA (TOXIC SUBSTANCE CONTROL ACT)

Chemical Name	CAS
Sulfamic Acid	5329-14-6
Ammonium Bifluoride	1341-49-7
Nonionic Surfactant	Proprietary

TSCA STATUS: All ingredients are included on the TSCA Inventory or are exempt.

CALIFORNIA PROPOSITION 65: This product contains no substances known to the State of California to cause cancer or

birth defects or other reproductive harm at levels which would require a warning under the statute.

RCRA STATUS: RCRA Hazardous Waste (D002 Corrosive), pH less than 2.0 (as supplied)

16. OTHER INFORMATION

REASON FOR ISSUE: Convert to GHS format

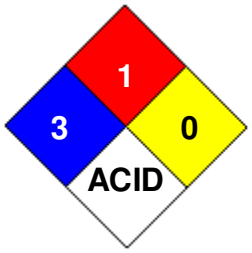
APPROVED BY: H. Zeller

PREPARED BY: CSCC **Date Prepared:** 2/5/2015

HMIS RATING

HEALTH	3
FLAMMABILITY	1
PHYSICAL HAZARD	0
PERSONAL PROTECTION	X

NFPA CODES



GENERAL STATEMENTS: Amounts specified herein (other than for regulatory purposes) are typical and do not represent a specification. Remaining components are proprietary, do not present a hazard at levels present or are not hazardous, and/or are present at levels below reportable limits. Exact percentage values for 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 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 product that exist.