SAFETY DATA SHEET

JOHN-HENRY ENTERPRISES, INC.

Date Prepared : 12/27/2014
SDS No : 5406

LUMINATE

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: LUMINATE
GENERAL USE: Acidic Truck Wash
PRODUCT CODE: 5406
CHEMICAL FAMILY: Acid Cleaner

MANUFACTURER

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

24 HR. EMERGENCY TELEPHONE NUMBERS

US/Canada 800-535-5053

2. HAZARDS IDENTIFICATION

GHS LABEL

CORROSIVE. Can cause burns and permanent damage to eyes and skin. Mists and fumes are irritating to eyes, nose, throat, and respiratory tract.

Corrosive

SIGNAL WORD: DANGER

HAZARD STATEMENTS

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

PRECAUTIONARY STATEMENTS

Prevention:

P102: Keep out of reach of children.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P260: Do not breathe dust/fume/gas/mist/vapours/spray.
P270: Do no eat, drink or smoke when using this product.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P304+P340: IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
P306+P360: IF ON CLOTHING: rinse immediately contaminated clothing and skin with plenty of water before removing clothes.
P301+P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P103: Read label before use.
P234: Keep only in original container.

P233: Keep container tightly closed.
P401: Store in a cool, dry, well ventilated area.
P273: Avoid release to the environment.

EMERGENCY OVERVIEW

IMMEDIATE CONCERNS: Causes severe irritation and burns to eyes, leading to partial or complete loss of vision. Can cause immediate and delayed onset burns to skin. Vapors, fumes, and mists can severely irritate eyes and cause irritation to nose, throat, and respiratory system.

POTENTIAL HEALTH EFFECTS

EYES: Corrosive to the eyes and may cause severe damage including blindness.

SKIN: Contact causes severe skin irritation and possible burns.

SKIN ABSORPTION: No data

INGESTION: Causes severe irritation and burns to mouth, throat, esphagus, and stomach. May be fatal if swallowed.

INHALATION: Fumes, mists, and vapors may cause moderate to severe irritaiton to nose, throat, and respiratory system.

REPRODUCTIVE TOXICITY

REPRODUCTIVE EFFECTS: None Expected.

TERATOGENIC EFFECTS: None Expected.

CARCINOGENICITY: None Expected.

MUTAGENICITY: None Expected.

ROUTES OF ENTRY: Skin and eye contact, ingestion, inhalation

TARGET ORGAN STATEMENT: None known.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
Hydrofluoric Acid	< 8	7664-39-3
Phosphoric Acid	< 10 - 15	7664-38-2
Glycol Ether Solvent	< 2	111-76-2

4. FIRST AID MEASURES

EYES: Gently hold eyelids open and immediately flush eyes with water for at least 15 minutes or until pain eases. Cover eyes loosely with sterile dressing and SEEK IMMEDIATE MEDICAL ATTENTION.

SKIN: Remove contaminated clothing and footwear. Flush off with running water. Treat exposed area with a cold solution of 1% benzethonium chloride for at least thirty minutes. Seek medical attention is symptoms persist or worsen.

INGESTION: Get immediate medical attention. Do not induce vomiting unless instructed to do so by poison center or physician.

INHALATION: If affected by vapors, fumes, or mists, move to fresh air. If symptoms persist or worsen, seek medical attention.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

EYES: Severe irritaiton, blurring or loss of vision.

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: Can cause sneezing, coughing, and irritation to nose, throat, and respiratory system.

ACUTE TOXICITY: Irritation to affected area.

CHRONIC EFFECTS: Burns may cause scarring and permanent damage.

NOTES TO PHYSICIAN: This product contains Hydrofluoric Acid and appropriate measures should be taken.

ANTIDOTES: Apply a cold, 1% benzethonium chloride solution or 30 minutes to skin exposed to product.

5. FIRE FIGHTING MEASURES

FLAMMABLE CLASS: NA = Not Applicable

GENERAL HAZARD: Heated product may release irritating acidic vapors

EXTINGUISHING MEDIA: Water based product - not applicable

HAZARDOUS COMBUSTION PRODUCTS: Oxides of carbon and hydrocarbon residues. Also produces acidic fumes and vapors.

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 fog to cool containers exposed to fire and/or to knock down acidic vapors.

HAZARDOUS DECOMPOSITION PRODUCTS: Will not occur

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Ventilate the area. Remove uninvolved personnel. Contain and absorb spill. Rinse spill area with water or dilute alkaline solution. 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 or dilute alkaline solution.

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. Always wear recommended Personal Protective Equpment.

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

STORAGE TEMPERATURE: (32°F) Minimum to (110°F) Maximum

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)							
		EXPOSURE LIMITS					
		OSHA PEL		ACGIH TLV		Supplier OEL	
Chemical Name		**ppm**	**mg/m³**	**ppm**	**mg/m³**	**ppm**	**mg/m³**
Hydrofluoric Acid	**TWA**	3		0.5			
Phosphoric Acid	**TWA**		1		1	NL	NL
	STEL				3	NL	NL
Glycol Ether Solvent	**TWA**	50	240	20	97	NL	NL
	STEL					NL	NL

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.

PROTECTIVE CLOTHING: Wear acid resistant rainsuit or similar protection.

WORK HYGIENIC PRACTICES: 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

ODOR: Acidic, sharp

APPEARANCE: Colorless, clear

pH: Less than 2 (5% solution)

PERCENT VOLATILE: greater than 90%

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

VAPOR PRESSURE: Same as water

VAPOR DENSITY: Same as water

BOILING POINT: 100 - 105 deg C

FREEZING POINT: Less than 32 deg F (0 deg C)

MELTING POINT: NA = Not Applicable

SOLUBILITY IN WATER: Complete in a proportions

EVAPORATION RATE: approx. - same as water

SPECIFIC GRAVITY: 1.007 to 1.012

VISCOSITY: approx. - same as water

(VOC): < 2.000 percent

10. STABILITY AND REACTIVITY

STABLE: Yes

HAZARDOUS POLYMERIZATION: No

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

INCOMPATIBLE MATERIALS: Strong alkalies, metals (releases hydrogen, a flammable gas)

11. TOXICOLOGICAL INFORMATION

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

SKIN EFFECTS: Moderate to severe irritation and burns.

CARCINOGENICITY

IARC: None known.

Notes: None of the ingredients are known to be carcinogenic.

CORROSIVITY: Corrosive to tissues.

NEUROTOXICITY: None known or expected

REPRODUCTIVE EFFECTS: None known or expected

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: No data

ECOTOXICOLOGICAL INFORMATION: No data

BIOACCUMULATION/ACCUMULATION: 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: Collect spilled material and store in properly labeled containers for re-use or disposal. Thoroughly wash spill area with mildly alkaline solution.

EMPTY CONTAINER: Empty conainers may contain product residues. Rinse thoroughly with a dilute alkaline solution. Recycle cleaned, used containers.

RCRA/EPA WASTE INFORMATION: Unused or undiluted material would constitute an RCRA hazardous waste

RCRA HAZARD CLASS: D002 - Corrosive

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Compounds, Cleaning Liquid, (contains hydrofluoric acid and phosphoric acid), 8, UN 1970, II

TECHNICAL NAME: Compounds, Cleaning Liquid (contains hydrofluoric acid and phosphoric acid)

PRIMARY HAZARD CLASS/DIVISION: 8

UN/NA NUMBER: UN 1970

PACKING GROUP: II

REPORTABLE QUANTITY (RQ) UNDER CERCLA: 1314 pounds

PLACARDS: Corrosive

LABEL: CORROSIVE

15. REGULATORY INFORMATION

UNITED STATES

DOT LABEL SYMBOL AND HAZARD CLASSIFICATION

Corrosive

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

311/312 HAZARD CATEGORIES: CORROSIVE

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

SECTION 312 THRESHOLD PLANNING QUANTITY (40 CFR370): 1315 pounds

313 REPORTABLE INGREDIENTS: Hydrogen Fluoride (present as hydrofluoric Acid)

EPCRA SECTION 313 SUPPLIER NOTIFICATION

Chemical Name	Wt.%	CAS
Hydrofluoric Acid	< 8	7664-39-3

CERCLA (COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION, AND LIABILITY ACT)

Chemical Name	Wt.%	CERCLA RQ
Hydrofluoric Acid	< 8	100
Phosphoric Acid	< 10 - 15	5,000

CERCLA RQ: 1600 lbs

REPORTABLE SPILL QUANTITY: 1600 lbs

EPA

EPA RQ INGREDIENT: Hydrogen Fluoride (present as hydrofluoric acid)

EPA RQ PRODUCT: 1600 lbs

TSCA (TOXIC SUBSTANCE CONTROL ACT)

Chemical Name	CAS
Hydrofluoric Acid	7664-39-3
Phosphoric Acid	7664-38-2
Nonionic Surfactant	Proprietary
Glycol Ether Solvent	111-76-2

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

CLEAN AIR ACT

Chemical Name	Wt.%	CAS
Hydrofluoric Acid	< 8	7664-39-3

CALIFORNIA PROPOSITION 65: Contains the following ingredients known to the State of Caliornia to be carcinogenic: NONE

RCRA STATUS: RCRA Hazardous Waste (D002 Corrosive)

16. OTHER INFORMATION

REASON FOR ISSUE: Convert to GHS format

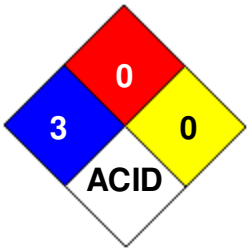
APPROVED BY: H. Zeller

PREPARED BY: CSCC **Date Prepared:** 12/27/2014

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.