

## SAFETY DATA SHEET



Date Prepared : 4/12/2015  
SDS No : 5614w

## LIQUI-FIRE RX

## 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** LIQUI-FIRE RX  
**GENERAL USE:** Tank Washing Pre-Solv  
**PRODUCT CODE:** 5614

**MANUFACTURER**

JOHN-HENRY Enterprises, Inc.  
2813 Richland Ave  
Metairie, LA 70002  
**Emergency Contact:** H. Zeller  
**Emergency Phone:** 504-888-8989

**24 HR. EMERGENCY TELEPHONE NUMBERS**

US/Canada: 800-535-5053

## 2. HAZARDS IDENTIFICATION

**GHS CLASSIFICATIONS****Health:**

Eye Irritation (reversible), Category 2A  
Skin Irritation, Category 2  
Aspiration Hazard, Category 2  
Respiratory Tract Irritation, Category 2

**Physical:**

Flammable Liquids, Category 2

**GHS LABEL**

FLAMMABLE Liquid and Vapor. Harmful if inhaled and may cause injury to lungs and respiratory system. Vapors can cause nervous system depression. Aspiration hazard if swallowed. Irritating to skin and eyes.



Eye/Skin/Respiratory  
Irritant



Flammable  
Liquid

**SIGNAL WORD: WARNING****HAZARD STATEMENTS**

H333: May be harmful if inhaled.  
H304: May be fatal if swallowed and enters airways.  
H336: May cause drowsiness or dizziness.

**PRECAUTIONARY STATEMENTS****Prevention:**

P261: Avoid breathing dust/fume/gas/mist/vapours/spray.  
P331: Do NOT induce vomiting.  
P102: Keep out of reach of children.  
P210: Keep away from heat/sparks/open flames/hot surfaces. – No smoking.  
75990X3S: Keep only in original container. Store in a well-ventilated place. Keep container tightly closed.

**EMERGENCY OVERVIEW**

**IMMEDIATE CONCERNS:** Vapors can cause nausea, dizziness, nausea, stupor, vomiting, headache, and/or irritation to nose, throat, and respiratory system. Irritating to eyes and skin. Causes irritation to eyes. Prolonged exposure may irritate skin.

**POTENTIAL HEALTH EFFECTS**

**EYES:** Moderately to severely irritating and may cause temporary blurring of vision.

**SKIN:** Prolonged or repeated exposure may cause dryness, redness, rash, irritation, sensitization and/or dermatitis.

**INGESTION:** May cause gastrointestinal discomfort, including nausea, vomiting, diarrhea, etc. Aspiration of vomited material may cause damage to lungs.

**INHALATION:** Mists, sprays, or vapor can be irritating to eyes and respiratory tract. Vapors and mists can cause irritation, dizziness, drowsiness, headache, and other central nervous system depression

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
Heavy aromatic naphtha	< 50	Proprietary
Organic Ester	< 30	Proprietary
Glycol ether	< 30	Proprietary

### 4. FIRST AID MEASURES

**EYES:** Immediately flush eyes with plenty of water for 15 minutes or until discomfort eases. Get medical attention if irritation persists.

**SKIN:** Remove contaminated clothing and footwear. Wash with soap and water. Get medical attention if irritation develops or persists or if symptoms of CNS depression develop or occur.

**INGESTION:** Get immediate medical attention (call 911). 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. If breathing is difficult, give oxygen and get immediate medical attention.

#### SIGNS AND SYMPTOMS OF OVEREXPOSURE

**EYES:** Moderate to severe irritation, including copious tearing, stinging, burning, temporary blurring of vision

**SKIN:** Prolonged or repeated contact may produce mild irritation, including redness, burning or itching, rash, etc. Product can be absorbed by skin and produce dizziness, nausea, vomiting, and other signs of CNS depression

**INGESTION:** Causes irritation to mouth, throat, esophagus, and GI tract. Can cause gastrointestinal discomfort, including nausea, vomiting, and diarrhea. Aspiration of vomited material can cause lung damage and pneumonia.

**INHALATION:** Vapors, spray or mists can irritate eyes, nose, throat, and respiratory tract. Vapors can cause dizziness, drowsiness, nausea, headache, drunkenness, vomiting, unconsciousness, and other anesthetic effects.

**NOTES TO PHYSICIAN:** Treat symptomatically. Contains an aromatic hydrocarbon solvent. Aspiration of vomited material can cause lung damage and chemical pneumonia.

### 5. FIRE FIGHTING MEASURES

**FLAMMABLE CLASS:** GHS Category - 3; US DOT - Flammable Liquid; OSHA - Combustible Liquid

**EXTINGUISHING MEDIA:** Use alcohol foam, carbon dioxide, or dry chemical when fighting fires involving this material. DO NOT USE water spray or stream (may cause fire to spread.)

**HAZARDOUS COMBUSTION PRODUCTS:** Oxides of carbon and hydrocarbon residues.

**EXPLOSION HAZARDS:** Containers can burst if exposed to flames or high temperatures. Vapors are heavier than air and can propagate to remote areas and be ignited.

**FIRE FIGHTING PROCEDURES:** Wear self-contained breathing apparatus when fighting chemical fires. Use water fog or spray to cool containers or disperse vapors. Do not use water stream or spray to fight fires

### 6. ACCIDENTAL RELEASE MEASURES

**SMALL SPILL:** Wear recommended PPE. Ventilate the area and remove uninvolved personnel. Extinguish nearby sources of ignition. Contain and absorb spilled material. Dispose of contaminated absorbent properly. Wash spill area with water.

**LARGE SPILL:** Ventilate the area and extinguish nearby sources of ignition. Wear appropriate PPE. 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.

### 7. HANDLING AND STORAGE

**HANDLING:** Read and understand label and SDS before handling any chemical. Use only in well ventilated areas away from ignition sources.

Ground and bond containers when pouring or transferring to another container. Open drums slowly to release accumulated pressure.

**STORAGE:** Store in original containers in a cool, well ventilated area away from heat, sparks, flame or other sources of ignition. Keep containers closed when not in use.

## 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/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Glycol ether	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 mists. Provide local exhaust for enclosed areas.

### PERSONAL PROTECTIVE EQUIPMENT

**EYES AND FACE:** Avoid eye contact. Wear safety glasses or goggles

**SKIN:** Avoid prolonged or repeated contact. Wear rubber, latex, or other chemical resistant gloves.

**RESPIRATORY:** Use with adequate ventilation. Wear a NIOSH approved air purifying respirator where vapors, mists or spray are excessive or exceed exposure limits.

**WORK HYGIENIC 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

**ODOR:** moderately strong, modified, aromatic hydrocarbon

**APPEARANCE:** clear, colorless liquid

**pH:** not applicable - not water soluble

**PERCENT VOLATILE:** 100

**FLASH POINT AND METHOD:** (132°F) TCC

**FLAMMABLE LIMITS:** LEL (aromatic naptha) 0.58%; UEL (organic ester) - 13%

**AUTOIGNITION TEMPERATURE:** Not determined

**VAPOR PRESSURE:** Not determined

**VAPOR DENSITY:** Heavier than air

**BOILING POINT:** (300°F) to (400°F)

**FREEZING POINT:** to (400°F)

**SOLUBILITY IN WATER:** negligible

**EVAPORATION RATE:** Not determined

**SPECIFIC GRAVITY:** 0.91 to 0.93

**VISCOSITY:** Not determined

**(VOC):** 100.000 percent (v/v)

## 10. STABILITY AND REACTIVITY

**STABLE:** Yes

**HAZARDOUS POLYMERIZATION:** Yes

**HAZARDOUS DECOMPOSITION PRODUCTS:** Oxides of carbon and hydrocarbon residues, acrid fumes

**INCOMPATIBLE MATERIALS:** oxidizing agents.

**11. TOXICOLOGICAL INFORMATION****ACUTE**

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

**EYE EFFECTS:** Moderate to severe irritation, including tearing, redness, burning or stinging, temporary blurring of vision.

**SKIN EFFECTS:** Prolonged or repeated exposure can cause moderate to severe irritation. dermatitis, rash, sensitization.

**CARCINOGENICITY**

Chemical Name	General Toxicity
Glycol ether	Confirmed animal carcinogen with unknown relevance to humans - Group A3

**12. ECOLOGICAL INFORMATION**

**ENVIRONMENTAL DATA:** No data available.

**13. DISPOSAL CONSIDERATIONS**

**DISPOSAL METHOD:** Ship to a solvent reclamation facility. Unused product is classified as a hazardous waste. Follow all pertinent local, state, and Federal disposal regulations.

**FOR LARGE SPILLS:** See Section 6

**EMPTY CONTAINER:** Empty containers may contain product vapors. Do not cut, weld, burn, or grind. Return empty containers for recycling.

**RCRA/EPA WASTE INFORMATION:** Unused or undiluted product would constitute an RCRA regulated hazardous waste due to Ignitability (Hazardous Waste Code: D001; Flashpoint less than 140 deg F)

**14. TRANSPORT INFORMATION****DOT (DEPARTMENT OF TRANSPORTATION)**

**PROPER SHIPPING NAME:** NA1993, Combustible Liquid, n.o.s. (contains petroleum distillates and ethers), III

**VESSEL (IMO/IMDG)**

**SHIPPING NAME:** UN3082, Environmentally Hazardous Substances, Liquid,N.O.S. (Naphthalene), 9, PG III, Marine Pollutant

**15. REGULATORY INFORMATION****UNITED STATES****SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)**

**311/312 HAZARD CATEGORIES:** Flammable liquid and vapor; Acute health hazard (eye and skin irritation); Acute inhalation hazard

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

**TSCA (TOXIC SUBSTANCE CONTROL ACT)**

Chemical Name	CAS
Heavy aromatic naptha	Proprietary
Organic Ester	Proprietary
Glycol ether	Proprietary

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

**CALIFORNIA PROPOSITION 65:** Contains no substances known to the State of California to cause cancer, birth defects, or reproductive harm.

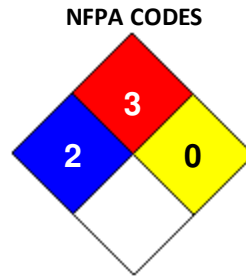
**16. OTHER INFORMATION**

**REASON FOR ISSUE:** Convert to GHS format

**APPROVED BY:** H. Zeller

PREPARED BY: CSCC Date Prepared: 4/12/2015

HMIS RATING	
HEALTH	2
FLAMMABILITY	2
PHYSICAL HAZARD	0
PERSONAL PROTECTION	X



**GENERAL STATEMENTS:** Amounts specified 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).

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