

## SAFETY DATA SHEET



Date Prepared : 08/06/2015

SDS No : 5615

## LIQUI-FIRE KB

## 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** LIQUI-FIRE KB  
**GENERAL USE:** Paint, Varnish, & Resin Stripper  
**PRODUCT CODE:** 5615

**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:**

Skin Irritation, Category 2  
 Eye Irritation, Category 2A  
 Reproductive Toxicity, Category 1B

**Physical:**

Combustible Liquid (flashpoint greater than 140 deg F), Category 4

**GHS LABEL**

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.



Health hazard



Irritant

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

H227: Combustible liquid.  
 H315: Causes skin irritation.  
 H319: Causes serious eye irritation.  
 H335: May cause respiratory irritation.  
 H360: May damage fertility or the unborn child

**PRECAUTIONARY STATEMENTS****General:**

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

**Prevention:**

P261: Avoid breathing dust/fume/gas/mist/vapours/spray.  
 P264: Wash thoroughly after handling.  
 P271: Use only outdoors or in a well-ventilated area.  
 P280: Wear protective gloves/protective clothing/eye protection/face protection.  
 P240: Ground and bond container and receiving equipment.  
 P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

**Storage:**

75990X3S: Keep only in original container. Store in a well-ventilated place. Keep container tightly closed.

**POTENTIAL HEALTH EFFECTS**

**EYES:** Contact causes severe eye irritation.

**SKIN:** Prolonged contact can cause severe skin irritation and possible burns.

**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
Lactam Solvent	35 - 40	872-50-4
Glycol ether	30 - 35	Proprietary
Alkoxy Ester	30 - 35	Proprietary

**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 medical attention, especially if there are visible burns or damage to or around eyes.

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

**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.

**SIGNS AND SYMPTOMS OF OVEREXPOSURE**

**EYES:** Severe irritation or pain, tearing, redness, blurring and/or temporary loss of vision

**SKIN:** Causes moderate to severe irritation and possibly burns.

**SKIN ABSORPTION:** Skin absorption may cause dizziness, drowsiness, nausea, vomiting, headache, and other symptoms similar to inhalation.

**INGESTION:** Harmful if swallowed. Can cause gastrointestinal discomfort, including nausea, vomiting, and diarrhea.

**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.

**5. FIRE FIGHTING MEASURES**

**FLAMMABLE CLASS:** GHS Category - 4; US DOT - Combustible 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 of stream (may cause fire to spread.)

**HAZARDOUS COMBUSTION PRODUCTS:** Oxides of carbon and nitrogen, 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/or disperse product vapors.

**COMMENTS:** Product vapors are heavier than air and may propagate to and be ignited by remote ignition sources.

**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. Stop flow. Ventilate the area and extinguish nearby sources of ignition. Remove uninvolved personnel

from area. 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 or detergent solution.

## 7. HANDLING AND STORAGE

**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.

**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	
		Supplier OEL	
Chemical Name		ppm	mg/m <sup>3</sup>
Glycol ether	TWA	20	
Alkoxy Ester	TWA	50	
	STEL	100	

**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:** Characteristic

**APPEARANCE:** clear, colorless liquid

**pH:** Not Applicable

**PERCENT VOLATILE:** Not determined

**FLASH POINT AND METHOD:** (160°F) closed cup

**FLAMMABLE LIMITS:** 1.3% (v) to 9.5% (v)

**AUTOIGNITION TEMPERATURE:** Not determined

**VAPOR PRESSURE:** Not determined

**VAPOR DENSITY:** Heavier than air

**BOILING POINT:** 165°C to 202°C

**MELTING POINT:** -24°C

**SOLUBILITY IN WATER:** disperses/emulsifies

**EVAPORATION RATE:** No data available.

**SPECIFIC GRAVITY:** 0.92 to 0.941.

**(VOC):** ~ 100.000 percent (w/w) EPA Method 24

**Notes:** Not determined

## 10. STABILITY AND REACTIVITY

**REACTIVITY:** No

**HAZARDOUS POLYMERIZATION:** No

**CONDITIONS TO AVOID:** Avoid exposure to sources of heat or ignition

**HAZARDOUS DECOMPOSITION PRODUCTS:** Oxides of carbon, and nitrogen, organonitrogen, and and hydrocarbon residues

**INCOMPATIBLE MATERIALS:** Concentrated acids, oxidizing agents, concentrated ammonia

## 11. TOXICOLOGICAL INFORMATION

### ACUTE

Chemical Name	ORAL LD <sub>50</sub>	DERMAL LD <sub>50</sub>	INHALATION LC <sub>50</sub>
Lactam Solvent	3914 mg/kg (rat)	8000 mg/kg (rabbit)	> 5100 ppm (rat - 4 hr)
Glycol ether	738 mg/kg (rat)	757 mg/kg (rabbit)	

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

**EYE EFFECTS:** Severe irritation, pain, burns, temporary or permanent loss of vision.

**SKIN EFFECTS:** Prolonged or repeated contact may cause irritation, rash, dryness, and sensitization. Prolonged exposure may cause dizziness, drunkenness, nausea, drowsiness, and anesthetic effects Prolonged one time exposure may cause burns.

## 12. ECOLOGICAL INFORMATION

**ENVIRONMENTAL DATA:** No data

**BIOACCUMULATION/ACCUMULATION:** No data

## 13. DISPOSAL CONSIDERATIONS

**DISPOSAL METHOD:** Ship to a solvent reclamation facility or chemical incenerator. Liquid wastes cannot be landfilled. Follow all pertinent local, state, and Federal disposal regulations. Spent solutions may be discharged to sanitary sewer or other water treatment facilities.

**FOR LARGE SPILLS:** See Section 6

**EMPTY CONTAINER:** Triple rinse container thoroughly with water and recycle.

**RCRA/EPA WASTE INFORMATION:** Not regulated

## 14. TRANSPORT INFORMATION

### DOT (DEPARTMENT OF TRANSPORTATION)

**PROPER SHIPPING NAME:** NA1993, Combustible Liquids N.O.S. (contains ethyl-3-ethylpropionate), 3, III

### VESSEL (IMO/IMDG)

**SHIPPING NAME:** NOT DANGEROUS GOODS

## 15. REGULATORY INFORMATION

### UNITED STATES

#### SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

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

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

#### EPCRA SECTION 313 SUPPLIER NOTIFICATION

Chemical Name	Wt. %	CAS
Lactam Solvent	35 - 40	872-50-4

### TSCA (TOXIC SUBSTANCE CONTROL ACT)

Chemical Name	CAS
Lactam Solvent	872-50-4
Glycol ether	Proprietary

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

**CALIFORNIA PROPOSITION 65:** Contains a substances or substances known to the State of California to cause cancer

Chemical Name	Wt. %	Listed
Lactam Solvent	35 - 40	<ul style="list-style-type: none"> <li>● Cancer</li> <li>● Developmental Toxicity</li> </ul>

**CARCINOGEN:** N-Methyl Pyrrolidone

## 16. OTHER INFORMATION

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

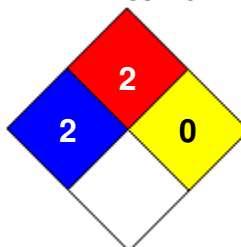
**APPROVED BY:** H. Zeller

**PREPARED BY:** CSCC    **Date Prepared:** 08/06/2015

### HMIS RATING

HEALTH	<input type="text"/>	2
FLAMMABILITY	<input type="text"/>	2
PHYSICAL HAZARD	<input type="text"/>	0
PERSONAL PROTECTION	<input type="text"/>	

### 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.