

## SAFETY DATA SHEET



Date Prepared : 08/03/2015

SDS No : 9109

Date Revised : 01/24/2017

Revision No : 1

## OXYL II

## 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** OXYL II  
**GENERAL USE:** Acid Cleaner  
**PRODUCT CODE:** 9109

**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 Corrosion/Irritation, Category 2  
 Serious Eye Damage, Category 2

**GHS LABEL**

**CORROSIVE:** Causes severe irritation and can cause burns and permanent damage to eyes. Causes moderate to severe irritation and possibly burns to skin. Dusts, mists or spray can irritate eyes, nose, throat, and respiratory system. Ingestion can cause severe irritation, burns and tissue damage to mouth, throat, esophagus, and stomach. May be harmful or fatal if swallowed.



Severe  
 Irritant/Corrosive



Health hazard

**SIGNAL WORD:** DANGER**HAZARD STATEMENTS**

H314: Causes severe skin burns and eye damage.  
 H300: Fatal if swallowed.  
 H371: May cause damage to organs (or state all organs affected, if known)(state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard).

**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.  
 2828VC61: Avoid eye contact  
 P280: Wear protective gloves/protective clothing/eye protection/face protection.  
 P270: Do not eat, drink or smoke when using this product.  
 P362+P364: Take off contaminated clothing and wash it before reuse.

**Response:**

2656A80K: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER

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).

28042MX6: IF SWALLOWED: Immediately call a POISON CENTER or doctor immediately. Rinse mouth. Do NOT induce vomiting.

**Storage:**

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

**POTENTIAL HEALTH EFFECTS**

**EYES:** Severely irritating and may cause temporary blurring of vision and temporary damage. May cause burns and permanent damage.

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

**INGESTION:** Toxic by ingestion. Can cause severe irritation, burns, and damage to mouth, throat, esophagus, and stomach.

**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

**COMMENTS:** Contains Oxalic Acid. Ingestion of as little as 5 grams has been fatal. Ingestion of 15 - 30 grams (2 - 4 fl. oz of product) is considered lethal. Causes irritation and corrosion of mouth, throat, and stomach with pain and vomiting followed by muscle tremors, convulsions, and weak pulse. Collapse and death can occur after apparent recovery due to acute renal failure (blockage of renal tubules by calcium oxalate).

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

Chemical Name	Wt.%	CAS
Oxalic Acid	4 - 8	144-62-7
Acetic Acid, Hydroxy-	1 - 3	79-14-1
Glycol ether	< 2	Proprietary
Other ingredients are not hazardous or are present at levels that do not present a significant hazard.	> 87	mixture

**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. Flush off with copious amounts of running water. Seek medical attention for burns or if irritation persists or worsens.

**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 milk or water and milk of magnesia or other antacid tablets 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:** Severe irritation or pain, tearing, redness, loss of vision. May cause burns to and around eyes.

**SKIN:** Prolonged exposure can cause moderate to severe irritation and possibly burns.

**INGESTION:** Ingestion of as little as 5 grams has been fatal. Ingestion of 15 - 30 grams (2 - 4 fl. oz of product) is considered lethal. Causes irritation and corrosion of mouth, throat, and stomach with pain and vomiting followed by muscle tremors, convulsions, and weak pulse. Collapse and death can occur after apparent recovery due to acute renal failure (blockage of renal tubules by calcium oxalate).

**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. Observe patient for renal failure

**5. FIRE FIGHTING MEASURES**

**FLAMMABLE CLASS:** Not Applicable - Water based product with no flashpoint.

**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.

**6. ACCIDENTAL RELEASE MEASURES**

**SMALL SPILL:** Wear recommended PPE. Collect spilled product for reuse or disposal. Rinse spill area with water

**LARGE SPILL:** Wear appropriate PPE. Remove uninvolved personnel from 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. Caution: Spill area may be slippery if residues are not removed.

## 7. HANDLING AND STORAGE

**HANDLING:** Avoid contact with eyes and skin. Avoid exposure to dusts, mists or sprays. Read and understand product label and SDS before handling any chemical. Always wear recommended personal protective equipment. Follow label cautions and instructions.

**STORAGE:** Store in original containers in well ventilated area away from strong alkalies or oxidizing materials. Keep containers tightly closed when not in use.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)			
EXPOSURE LIMITS			
Chemical Name	Type		
	Supplier OEL	TWA	ppm
Acetic Acid, Hydroxy-			mg/m <sup>3</sup>
			10

**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.

### PERSONAL PROTECTIVE EQUIPMENT

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

**SKIN:** Wear rubber, latex, or other chemical resistant gauntlet gloves and boots

**RESPIRATORY:** Use with adequate ventilation. Wear a NIOSH approved multi-purpose air purifying respirator where dusts or solution 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:** faint, ether-like

**APPEARANCE:** clear, colorless liquid

**pH:** 1.0 to 2.0

**Notes:** as made

**PERCENT VOLATILE:** 85 - 90% (w/w)

**FLASH POINT AND METHOD:** Not applicable - water based product

**VAPOR PRESSURE:** Same as water (approximately)

**BOILING POINT:** greater than 212 deg F

**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:** 0.99 to 1.01

**(VOC):** ~ 1 percent (w/w)

## 10. STABILITY AND REACTIVITY

**REACTIVITY:** Reactive with alkaline materials.

**HAZARDOUS POLYMERIZATION:** No

**STABILITY:** Stable under recommended storage conditions

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

**INCOMPATIBLE MATERIALS:** Strong alkalis (bases), chlorine bleach, oxidizing and reducing agents, metals such as zinc or magnesium (releases hydrogen gas)

## 11. TOXICOLOGICAL INFORMATION

### ACUTE TOXICITY

**DERMAL LD<sub>50</sub>:** > 90 ml/kg (rat)

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

**STOT-single exposure:** Kidneys, nervous system

## 12. ECOLOGICAL INFORMATION

**ENVIRONMENTAL DATA:** No data

## 13. DISPOSAL CONSIDERATIONS

**DISPOSAL METHOD:** Unused or undiluted product constitutes a hazardous waste. Follow all appropriate local, state, and Federal disposal regulations. 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 HAZARD CLASS:** D002 - Corrosive (pH less than 2.5)

## 14. TRANSPORT INFORMATION

### DOT (DEPARTMENT OF TRANSPORTATION)

**PROPER SHIPPING NAME:** UN1760, Corrosive Liquid, n.o.s. (contains Oxalic Acid), 8, III

### VESSEL (IMO/IMDG)

**SHIPPING NAME:** UN1760. CORROSIVE LIQUID, N.O.S. (OXALIC ACID SOLUTION), 8, III

## 15. REGULATORY INFORMATION

### UNITED STATES

#### DOT LABEL SYMBOL AND HAZARD CLASSIFICATION



Corrosive

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

**311/312 HAZARD CATEGORIES:** Acute and chronic health hazard

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

#### TSCA (TOXIC SUBSTANCE CONTROL ACT)

Chemical Name	CAS
Oxalic Acid	144-62-7
Acetic Acid, Hydroxy-	79-14-1
Glycol ether	Proprietary

**TSCA STATUS:** All other 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.

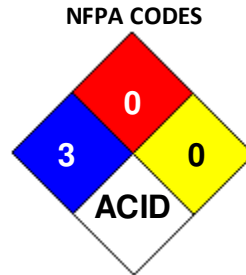
## 16. OTHER INFORMATION

**APPROVED BY:** H. Zeller

**PREPARED BY:** CSCC **Date Revised:** 01/24/2017

**REVISION SUMMARY:** This SDS replaces the 08/03/2015 SDS. Revised: **Section 14:** DOT (DEPARTMENT OF TRANSPORTATION) - PROPER SHIPPING NAME.

HMIS RATING	
HEALTH	3
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	X



**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)

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