

SAFETY DATA SHEET



Date issued : 08/03/2015
SDS number : 9109
Date revised : 07/17/2024
Revision number : 3

OXYL II

1. Identification

Product code: 9109
Product identifier: OXYL II
Relevant identified uses: Acid Cleaner

Manufacturer / Supplier

John-Henry Enterprises, Inc.
800 Central Ave.
Jefferson, LA 70121

Emergency contact: H. Zeller

Emergency Phone: 504-888-8989

Web: www.john-henry.com

Emergency telephone number (24 hour)

US/Canada: 800-535-5053

2. Hazard identification

Classification of the substance or mixture

Health hazards:

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

Label elements

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 statement(s)

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 statement(s)

Supplemental label elements:

P102: Keep out of reach of children.

P103: Read carefully and follow all instructions.

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

Eye: 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	% w/w	CAS No.
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

Eye: 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.

Most important symptoms and effects, both acute and delayed

Eye: 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.

Indication of immediate medical attention and special treatment needed, if necessary: Treat symptomatically. Observe patient for renal failure

5. Fire-fighting measures

Flammable class: Not Applicable - Water based product with no flashpoint.

Suitable 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

Precautions for safe 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.

Conditions for safe storage: Store in original containers in well ventilated area away from strong alkalis or oxidizing materials. Keep containers tightly closed when not in use.

8. Exposure controls/personal protection

Exposure controls

Control parameters			
	Occupational exposure limit values		
Chemical name	Type	ppm	mg/m ³
Acetic Acid, Hydroxy-	Supplier OEL	TWA	10

Appropriate 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.

Individual protection measures, such as personal protective equipment

Eye / face protection: Avoid eye contact. Wear safety glasses or goggles

Skin protection - hand protection: Wear rubber, latex, or other chemical resistant gauntlet gloves and boots

Respiratory protection: 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.

Occupational hygiene 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

Appearance: clear, colorless liquid

Odor: faint, ether-like

pH: 1.0 to 2.0

Notes: as made

Freezing point: less than 32 deg F (0 deg C)

Initial boiling point and boiling range: greater than 212 deg F

Flash point: Not applicable - water based product

Evaporation rate (n-butyl acetate = 1): Same as water (approximately)

Vapor pressure: Same as water (approximately)

Relative density: 0.99 to 1.01

Solubility: Complete in all proportions.

Percent volatiles: 85 - 90% (w/w)

VOC content: ~ 1 percent (w/w)

10. Stability and reactivity

Reactivity: Reactive with alkaline materials.

Dangerous polymerization: No

Chemical 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

Acute dermal toxicity LD₅₀: > 90 ml/kg (rat)

Notes: No toxicity data available for product

Specific Target Organ Toxicity - single exposure: Kidneys, nervous system

12. Ecological information

Environmental data: No data

13. Disposal considerations

Disposal methods: 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

USA Department of Transport Regulations (DOT)

UN proper shipping name: UN1760, Corrosive Liquid, n.o.s. (contains Oxalic Acid), 8, III

IMO / IMDG - International

UN proper 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 Section 311/312 Hazard Categories

311/312 Health hazards: Acute and chronic health hazard

TSCA (The Toxic Substances Control Act)

Chemical name	CAS No.
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

Reason for issue: New Address

Approved by: H. Zeller

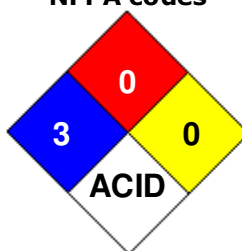
Prepared by: CSCC **Date revised:** 07/17/2024

Revision summary: This SDS replaces the 02/11/2022 SDS. Revised: **Section 1:** Reason for issue. **Section 2:** Classification of the substance or mixture, Label elements, Precautionary statement(s).

HMIS rating

Health	3
Flammability	0
Physical hazard	0
Personal protection	X

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.