

# Material Safety Data Sheet



IDENTITY (As Used on Label and List)

OXCON

## Section I

Manufacture's Name <b>Perma-Chink Systems, Inc.</b>	Emergency Telephone Number: CHEMTREC 1-800-424-9300
Address (Number, Street, City, State, and ZIP code) 1605 Prosser Road	Telephone Number for Information: 865-524-7343
Knoxville, TN 37914	Date of Preparation 1/02/07
Preparer's Name Sean Gahan	Signature of Preparer (optional)

## Section II – Hazardous Ingredients/Identity Information

Hazardous Component (Specific Chemical Identity, Common Name(s):

	CAS #	OSHA / PEL	ACGIH TLV	Other Limits Recommended	% (optional)
Oxalic Acid Dihydrate	6153-56-6	N/A	1mg/m <sup>3</sup>		7-11

## Section III – Physical/Chemical Characteristics

Boiling Point: 212°F	Specific Gravity (H <sub>2</sub> O = 1) 1.0 – 1.2
Vapor Pressure (mm Hg.) 125mm Hg @ 100°F	Melting Point % Volatile (Volume)
Vapor Density (Air = 1) 0.90	Evaporation Rate (Butyl Acetate = 1) < 1 Water
Solubility in Water Miscible in water, alcohol, acetone, some glycol ethers, insoluble in petroleum hydrocarbons.	
Appearance and Odor Clear odorless liquid	

## Section IV – Fire and Explosion Hazard Data

Flash Point (Method Used) Non-Flammable	Flammable Limitations Non-flammable
Extinguishing Media Non-Flammable	
Special Fire Fighting Procedures Non-Flammable. Use water to cool fire exposed containers.	

Unusual Fire and Explosion Hazards

## Section V – Reactivity Data

Stability	Unstable		Conditions to Avoid
	Stable	✓	Avoid extreme heat.
Incompatibility (Materials to Avoid)	Avoid mixing with acids, ammonia, and active metals such as Zn, Mg, brass, and bronze.		
Hazardous Decomposition or Byproducts	Material can form explosive hydrogen, carbon monoxide, or formic acid on contact with materials to avoid or in extreme heat.		
Hazardous Polymerization	May Occur		Conditions to Avoid
	Will Not Occur	✓	None Known

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## Section VI – Health Hazard Data

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Routes of Entry    Inhalation? Yes    Skin? Yes    Ingestion? Yes    Eye Contact? Yes

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### Health Hazards (Acute and Chronic)

**EYE CONTACT:** May cause severe eye irritation, corneal burns, and conjunctivitis. **INHALATION:** Inhalation of mists can cause irritation or corrosive burns of mucous membranes in the upper respiratory.

**INGESTION:** May cause gastrointestinal irritation, corrosive burns if swallowed. **SKIN CONTACT:** Prolonged contact with skin can cause severe skin irritation, redness, or corrosive burns.

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Carcinogenicity? NO    NTP? NO    IARC Monographs? NO    OSHA Regulated? NO

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No long-term adverse effects are known.

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Signs and Symptoms of Exposure: None known

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Medical Conditions: Pre-existing skin conditions could be aggravated by repeated exposure.

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### Emergency and First Aid Procedures:

Eye contact: Flush with clean water for at least 15 minutes; seek medical attention.

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Ingestion: DO NOT INDUCE VOMITING. Give 1-2 glasses of water or milk to drink. If irritation develops, seek medical attention.

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Skin contact: Remove contaminated clothing. Wash affected area with soap and water. Seek medical attention if irritation persists.

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Inhalation: If vapors are inhaled, move individual to fresh air. Seek medical attention if irritation develops or breathing becomes difficult

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## Section VII – Precautions for Safe Handling and Use

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Steps to be taken in Case Material is Released or Spilled

Soak up spill with absorbent material. Neutralize all spilled liquid with an alkali material such as sodium bicarbonate.

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Waste Disposal Method

Neutralized material is not hazardous. Dispose of material in accordance with all applicable Federal, State, and Local regulations.

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Precautions to be taken in Handling and Storing

KEEP OUT OF REACH OF CHILDREN. Store in the original container. Keep lid tight. Do not reuse container for other purposes.

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Other Precautions: Read and observe all precautions on product label. Wash contaminated clothing before reuse.

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## Section VIII – Control Measures

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Respiratory Protection (Specify Type)

If spraying material, wear a NIOSH/MSHA – approved respirator for organic vapors or mists.

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Ventilation    Local Exhaust

Maintain adequate ventilation to keep below TLV.

Special

Otherwise use respiratory protection.

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Mechanical (general)

Other

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Protective Gloves

Chemical Resistant gloves

Eye Protection

Goggles or safety glasses with side shields recommended.

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Other Protective Clothing or Equipment

Rubber boots and chemical resistant suit, if skin contact is likely.

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Work/Hygenic Practices: General care and hygiene.

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The information contained herein is, to the best of Perma-Chink Systems, Inc. knowledge, accurate as of the data indicated. Since the information contained herein may be applied under conditions beyond our control and with which we may be unfamiliar, and since data made available subsequent to the date hereof may suggest modifications of the information, we do not assume responsibility for the results of its use. This information is furnished on the condition that the person receiving it shall make his own determination as to the suitability of the material for his particular purpose and on the condition that he assumes the risk of his use thereof.