

MATERIAL SAFETY DATA SHEET**Uni-Kem Chemicals, Inc.**802 William Leigh Dr.
Tullytown, PA 19007
Phone 215-269-1800N.A.=Not Applicable
Not Est.=Not Established

Prepared by: Regulatory Affairs Department

Date: 03/17/2003

SECTION 1- GENERAL PRODUCT DATA**Product Name:** OXALIC ACID
Product Code: UNIOX
HMIS Legend: 4-Extreme 3-High 2-Moderate 1-Slight 0-Insignificant
HMIS Hazard Code: Health:1 Flammability:1 Reactivity:0
Chemical Family: Carboxylic Acid, Aliphatic**CHEM-TEL, INC.**
24 Hour Emergency Contact 1-800-255-3924
Chemical Strength: ACIDIC
Formula: C2H2O4**D.O.T. Shipping Name:** Corrosive Solid, NOS**Hazard Class:** 8**SECTION 2 - HAZARDOUS INGREDIENTS**

CHEMICAL NAME	CAS NO.	OSHA PEL	ACGIH	TLV	%
Oxalic Acid	144-62-7	1mg/m3	1mg/m3	Tlv	>99
	Cas No.	Osha Pel	Acgih	Tlv	%

Unidentified ingredients are not considered hazardous under the Federal Hazard Communications Standard (29 CFR 1910.1200)

SECTION 3 - PHYSICAL DATA**Boiling Point (°F):** na
Vapor Pressure (mm Hg): =
Appearance: White crystal
Specific Gravity: 1
Percent Volatile By Volume: na
Evaporation Rate: = na
Odor: pH: 1.3 - 0.1M solution**SECTION 4 - FIRE AND EXPLOSION DATA****Flash Point (F):** I
Flammable Limits: I
Unusual Fire & Explosion Hazards: Slight fire hazard when exposed to heat or flame.
Special Fire Fighting Procedures: Dry chemical, carbon dioxide, halon, water spray or standard foam. Move containers away from fire area if possible. Stay away from storage tanks. Avoid breathing dusts or mists from burning material.**SECTION 5 - HEALTH HAZARD DATA****Route(s) of Entry:** Inhalation: no Skin: yes Ingestion: no **Threshold Limit Value:** 1500 mg/m3
Effects of Overexposure: Respiratory irritant. Breathing of mists or contact with skin, eyes or mucous membranes can cause severe irritation.
Emergency & First Aid Procedures:
Inhalation: Remove to fresh air. If breathing has stopped, give artificial respiration; administer oxygen if available. Get medical attention at once.
For Skin: Wash with large amounts of water for at least 20 minutes. Remove contaminated clothing. In case of chemical burns, cover area with sterile, dry dressing. Get medical attention immediately.
For Eyes: Wash eyes with cool water for at least 20 minutes. Seek medical attention at once. Physician should irrigate area with saline solution until pH has returned to normal.
If Ingested: Give several cups of milk to precipitate material. Do not induce vomiting. Never give anything by mouth to an unconscious person. Seek medical attention. Antidote of 10% Calcium Gluconate to be administered by qualified physician only.**Carcinogen:** Not considered carcinogenic by OSHA, NTP, or IARC**SECTION 6 - REACTIVITY DATA****Stability:** Stable
Conditions to Avoid: Excessive heat
Incompatibility: Alkalis, oxidizers, silver compounds, sodium chlorite and hypochlorite
Hazardous Decomposition Products: None
Hazardous Polymerization: Does not normally occur**SECTION 7 - SPILL OR LEAK PROCEDURES****Steps to be taken if material is released or spilled:**
Stop flow of product. Wash away small spills with plenty of water. Avoid inhalation and contact with skin and eyes.
Waste disposal method: Dispose of in accordance with all local, state and federal regulations. Store in a cool, dry place. Observe all label safeguards until container is cleaned, recycled or disposed of.**SECTION 8 - SUGGESTED PROTECTIVE EQUIPMENT****Respiratory Protection:** Specific respirator selection based on level of contaminate in work place
Ventilation: Adequate general ventilation
Protective Gloves: Rubber or neoprene
Eye Protection: Chemical goggles or face shield
Other Protective Equipment: Eye wash/ safety shower and chemically resistant clothing.**SECTION 9 - SPECIAL PRECAUTIONS****Precautions to be taken in handling and storage:**
Keep in a cool, dry place. Keep container closed when not in use. Use with adequate ventilation. Avoid contact with eyes, skin and mucous membranes. Wash thoroughly after handling.
Other Precautions: Do not take internally. Do not mix with anything other than water. For industrial use only. Avoid contact with alkalis, oxidizers, silver compounds, sodium chlorite and hypochlorite.**SECTION 313 SUPPLIER NOTIFICATION**

This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and of 40 CFR 372:

Oxalic Acid 144-62-7 1mg/m3

This information must be included in all MSDS's that are copied and distributed for this material.

NOTICE

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