

American International Chemical, Inc.  
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**MATERIAL SAFETY DATA SHEET**

**OXALIC ACID**

**SECTION I - GENERAL INFORMATION**

AIC Product Codes: OXALIA, OXALIG, OXALIS, OXALIC, OXNG30

Revision Date: March 29, 1995

Emergency Number: Chemtrec 800-424-9300

Information Number: 800-238-0001

Synonyms: Ethandioic Acid

CAS #: 6153-56-6 or 144-62-7 (OSHA substance list)

OSHA Hazardous Substance: No

DOT Hazard Class: Not Regulated

**SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION**

None

**SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS**

Boiling Point: Not Applicable

Vapor Pressure (MM Hg): Not Applicable

Vapor Density (AIR=1): Not Applicable

Specific Gravity (H2O=1): 1.65

Percent Volatile by Volume(%): Not Applicable

Melting Point: 101° C

Evaporation Rate (Butyl Acetate=1): Not Applicable

Solubility in Water: Moderate - One gram dissolves in 7 ml of water.

Appearance and Odor: White crystals, odorless

pH: Solutions are acidic

#### **SECTION IV - FIRE AND EXPLOSION HAZARD DATA**

Flash Point: Not Applicable

Flammable Limits: Not Applicable

Extinguishing Media:

Use media that is appropriate to treat surrounding fire.

Special Fire Fighting Procedures:

Wear self-contained breathing apparatus and goggles. Remove from fire if safely possible.

Unusual Fire Explosion Hazard:

Above 250° F material may sublime to irritating corrosive vapor or mist.

Auto Ignition Temperature: Not Applicable

#### **SECTION V - REACTIVITY DATA**

Stability: Stable under normal temperatures and pressures.

Conditions to Avoid:

Strong oxidizers, alkalis, silver, chlorites, hypochlorites and furfuryl alcohol.

Hazardous Polymerization:

Will not occur under normal conditions.

Hazardous Decomposition Products:

Toxic fumes including CO<sub>x</sub> and formic acid.

#### **SECTION VI - HEALTH HAZARD DATA**

Route(s) of Entry: Inhalation: Yes Skin: Yes Ingestion: Yes Eye: Yes

Health Hazards: Acute TLV 1mg/m<sup>3</sup>

TOXICITY: Oral-Human LD<sub>50</sub> - 71mg/kg  
Oral-Rat LD<sub>50</sub> 375mg/kg

Carcinogenicity:

Listed by ACGIH - No IARC - No NTP - No OSHA - No

**Signs - Symptoms of Exposure:**

Can cause irritation upon contact with the skin. Dust is irritating to mucous membranes and eyes. Inhalation can cause serious corrosion of mouth, throat and stomach.

**Medical Conditions Aggravated by Exposure:**

Dermatitis, allergies and asthma.

**Emergency First Aid Procedures:**

**SKIN:** Remove contaminated clothing at once (launder before reuse) wash skin with soap and water. **EYES:** Flush thoroughly with water for at least 15 min. **INHALATION:** Remove to fresh air.

**INGESTION:**

Do **NOT** induce vomiting: give dilute milk of magnesia, lime water, or milk if conscious.

**SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE**

**Steps to be Taken in Case Material is Released or Spilled:**

Wear protective clothing. Cover with soda ash or sodium bicarbonate. Pick up for disposal.

**Waste Disposal Method:**

Incinerate following all state, federal and local regulations.

**Precautions to be Taken in Handling and Storage:**

Keep container tightly closed. Protect against physical damage. Store in a cool, dry, well-ventilated area away from oxidizers. Wash gloves thoroughly before removing. Wash face and hands after filling. Clean area thoroughly after use.

**SECTION VIII - CONTROL MEASURES**

**Respiratory Protection Type:**

NIOSH/MSHA approved respirator

**Ventilation Requirements:**

Ventilate as necessary to eliminate dust from work area.

**Protective Gloves, Clothing or Equipment Requirements:**

Use rubber or neoprene gloves, chemical goggles and clothing sufficient to protect skin from dust.

**Work, Hygienic Practices:**

As required to protect against skin contact. Safety showers and/or eye wash should be available. Do not leave food or smoke in work area. Wash thoroughly and remove or clean any contaminated clothing.

**SECTION IX - OTHER INFORMATION**

**NFPA Hazard Information:**

Non Fire:	Health (1)	Flammability (1)	Reactivity (0)
Fire:	Health (2)	Flammability (1)	Reactivity (0)

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