



MATERIAL SAFETY DATA SHEET

Oxalic Acid

Product Number(s): 17400
Manufacturer: Daly's Wood Finishing Products
3525 Stone Way North
Seattle, WA 98103

HMIS Information
Health 1
Flammability 1
Reactivity 0

Emergency Telephone Number:
Chemtel (24 Hour): 800-255-3924

Preparer's Name: H. Paulson
Date Prepared: 10/25/00
Date Reviewed: 08/07/03

SECTION I - PRODUCT IDENTITY

Chemical Name: Oxalic Acid
Shipping Classification: Not regulated.

Chemical Formula: C₂H₂O₄-2H₂O

SECTION II - HAZARDOUS INGREDIENTS

Chemical & Common Name:	CAS Number:	Wt. %:	OSHA PEL:	ACGIH TLV:	OTHER:
Oxalic Acid	144-62-7	100	Not Est.	1 mg/m ³	

SECTION III - PHYSICAL CHARACTERISTICS

Boiling Range:	N/A	% Volatile by Volume:	<1
Specific Gravity:	1.65	Evaporation Rate(BuOAc=1):	N/A
Vapor Pressure (mm Hg):	N/A	Maximum Volatile	
Vapor Density (Air=1):	N/A	Organic Compound (V.O.C.):	None

Solubility (specific solvents):
Completely soluble in water above 70°F.

Appearance & Odor:
White, odorless crystalline solid.

SECTION IV - FIRE & EXPLOSION DATA

Flash Point (Setaflash): Non-flammable. **Flammable Limits (% in Air):** N/A

Extinguishing Media: CO₂, dry chemical, foam, water fog.

Special Firefighting Procedures: Wear protective clothing and self-contained breathing apparatus. Use water spray to cool nearby containers. Foam or water on molten oxalic acid may cause frothing.

Unusual Fire & Explosion Hazards: Extreme heat can cause material to give off vapors which become toxic.

Reactivity: Product is stable under normal conditions.

Conditions to Avoid: Avoid extreme heat. **Hazardous Polymerization:** Will not occur under normal conditions.

Incompatibilities (materials to avoid): Strong oxidizers, alkalis, chlorides, hypochlorites and furfuryl alcohol.

Hazardous Decomposition Products: May liberate carbon monoxide, carbon dioxide and formic acid.

SECTION V - HEALTH HAZARDS

Primary Routes of Entry: Eye contact, inhalation, ingestion, skin contact.

ACUTE HEALTH EFFECTS:

EYE CONTACT: May cause redness, irritation or chemical burns.

INHALATION: Can cause serious corrosive damage to mouth, throat, stomach and respiratory system.

INGESTION: Ingestion of a few grams may be fatal. Symptoms include nausea, convulsions and collapse.

SKIN CONTACT: May cause chemical burn.

EMERGENCY FIRST AID PROCEDURES:

EYE CONTACT: Wash with clean water for at least fifteen minutes; get medical attention.

INHALATION: Move individual to fresh air. If breathing has stopped, apply artificial respiration, get medical attention immediately.

INGESTION: DO NOT INDUCE VOMITING. Give water or milk to drink. Get medical attention.

SECTION V - HEALTH HAZARDS(cont'd)

SKIN CONTACT: Wash area with soap and water. Remove contaminated clothing and wash before re-use.
CHRONIC HEALTH EFFECTS: Not listed as a carcinogen by the NTP, IARC, or OSHA. No long-term effects are known.
MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Long-term overexposure can result in delayed liver or kidney damage.

SECTION VI - SPILL OR LEAK PROCEDURES

Steps to be taken in case material is spilled or released: Wear protective clothing, shovel up for use or reclaim; flush with water. Use DOT approved containers.
Waste disposal method: Neutralize with soda ash, sodium bicarbonate, limestone. Dispose of in accordance with all applicable federal, state and local regulations.

SECTION VII - SPECIAL PROTECTION DATA

Respiratory protection: Wear respirator NIOSH-approved for dusts.
Ventilation: Provide ventilation adequate to remove dusts.
Protective Gloves: Neoprene or rubber.
Eye Protection: Safety goggles or glasses with side shield.
Other protective clothing or equipment: Impervious protective clothing if contact is likely. Eyewash station should be available.

SECTION VIII - HANDLING & STORAGE DATA

Precautions to be taken in handling and storage: Store away from high temperature, sparks or open flame. Read and observe all precautions on product label.
KEEP OUT OF REACH OF CHILDREN.
Other precautions: Store in original container; keep tightly closed. Do not reuse container for other purposes.

SECTION IX - OTHER INFORMATION

Daly's, Inc. certifies that this MSDS meets the requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (SARA Title III) and of the OSHA Hazard Communication Standard (40 CFR 372):
This product contains no chemicals subject to reporting.

The information contained herein is based on data considered to be accurate. However, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained for the use thereof. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable regarding all current regulations.

Daly's Wood Finishing Products

3525 Stone Way N, Seattle, WA 98103

phone(206) 633-4200

toll free(800) 735-7019

fax(206)632-2565