

Material Safety Data Sheet

May be used to comply with
 OSHA's Hazard Communication Standard,
 29 CFR 1910-1200. Standard must be
 consulted for specific requirements.

U.S. Department of Labor

Occupational Safety and Health Administration
 (Non-mandatory Form)
 Form Approved
 OMB No. 1218-0072

IDENTITY (As Used on Label and list) OXALIC ACID	HMIS Rating			
	Health	Flammability	Reactivity	Personal Protection Index
	2	0	0	2

Section I

Manufacturer's Name Meyer Laboratory, Inc.	Emergency Telephone Number Chemtrec: (800) 424-9300	
Address (Number, Street, City, and ZIP Code) 2401 W. Jefferson	Telephone Number for Information 816-228-4433	
Blue Springs, Missouri 64015	Date Prepared 10-25-00	Supersedes
	Signature of Preparer (optional)	

Section II — Hazardous Ingredients/Identity Information

Hazardous Components (Specify Chemical Identity; Common Name(s))	CAS #	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
Oxalic Acid	000144-62-7		1 mg/m3	2 mg/m3	

Section III — Physical/Chemical Characteristics

Boiling Point	N/A	Specific Gravity	N/A
Vapor Pressure (mm Hg)	N/A	Melting Point	215°F
Vapor Density (AIR = 1)	N/A	Evaporation Rate (Butyl Acetate = 1)	N/A
Solubility in Water 13.7% solution @ 77°F		pH	
Appearance and Odor Crystals, odorless			

Section IV — Fire and Explosion Hazard Data

Flash Point (Method Used) Non – flammable	Flammable Limits N/A	LEL	UEL
Extinguishing Media Water spray, dry chemical, foam, CO2, alcohol			
Special Fire Fighting Procedure Wear a self – contained breathing apparatus			

Unusual Fire and Explosion Hazards

Becomes a combustible solid below 215°F. Partial decomposition at 302°F. Decomposition products are both toxic and flammable.

Section V — Reactivity Data

Stability	Unstable		Conditions to Avoid
	Stable	X	

Incompatibility (Materials to Avoid)

Strong oxidizing agents, alkalies and soft metals.

Hazardous Decomposition or Byproducts

Formic acid, carbon monoxide

Hazardous Polymerization	May Occur		Conditions to Avoid
	Will Not Occur	X	

Section VI — Health Hazard Data

Route(s) of Entry:	Eyes? Yes	Skin? Yes	Ingestion? Yes	Inhalation? Yes
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Health Hazard (*Acute and Chronic*)

INGESTION: Toxic

EYES and SKIN: Corrosive burns or irritation

INHALATION: Respiratory irritant

Carcinogenicity:	NTP? No	IARC Monograph? No	OSHA Regulated? No
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Signs and Symptoms of Exposure

SKIN and EYES: Irritation, redness or burning

INHALATION: Irritation of respiratory tract system

INGESTION: Burning of the mouth, throat, esophagus, stomach. Also affects central nervous system or kidney function.

Medical Conditions Generally Aggravated by Exposure

Unknown

Emergency and First Aid Procedures

For eyes and skin contact, flush with water for 15 minutes. Call a physician if irritation persists. Inhalation: move to fresh air. If swallowed, give large amounts of milk. DO NOT induce vomiting. Get medical attention immediately.

Section VII — Precautions for Safe Handling and Use

Steps to Be Taken in Case Material Is Released or Spilled

Sweep or shovel into containers marked for recovery or disposal. Alkali solution may be used to neutralize any residue.

Resulting neutralized solution is also toxic and should be handled accordingly.

Waste Disposal Method

Oxalic acid aqueous solution is an EPA corrosive waste. Disposal must be in accordance with all local, state and federal regulations.

Precautions to Be Taken in Handling and Storing

Store in cool, dry place and away from food, food chemicals or strong oxidizers. Keep container closed.

Other Precautions

Keep away from heat and open flame

Section VIII — Control MeasuresRespiratory Protection (*Specify Type*)

NIOSH approved dust mask

Ventilation	Local Exhaust	Special
	Recommended	
	Mechanical (<i>General</i>)	Other

Protective Gloves

Rubber gloves

Eye Protection

Safety goggles

Other Protective Clothing or Equipment

Chemical resistant apron

Work/Hygienic Practices

Wash hands with soap and water before eating, drinking or smoking

CODES:

N/A = Not Applicable

N/E = Not Established

N/D = Not Determined

OXALIC ACID (2)