

PRODUCT INFORMATION

OXALIC ACID

GENERAL DESCRIPTION:

OXALIC ACID is a concentrated granular organic acid commonly used in laundries as a sour and rust remover. Useful for neutralizing and removing industrial fallout on equipment and vehicles. OXALIC ACID is used as a bleaching agent for plywood and other light woods. An OXALIC ACID solution removes rust stains and dissolves ferric iron oxide films from lines, pipes, and equipment.

PROPERTIES:

Color: Odor: Activity: pH (1% solution) Solubility

Form

Granular powder White None 100% OXALIC ACID 1.65-1.75 120 parts in 100 parts water at 120°F

USE DIRECTIONS:

For use as a laundry sour and rust remover, use 2 ounces per 100 pounds of dry weight cloth.

For use in industrial fallout removal and iron stain removal from equipment, prepare solution of 4 to 8 ounces of OXALIC ACID per gallon of warm water. Apply with sponge or mop. Rinse thoroughly.

For removing rust stains and iron oxide films from lines, prepare a 1 to 2% solution of OXALIC ACID (1 1/2 to 3 ounces/ gallon of water). Circulate through lines for 2-8 hours. Flush thoroughly with fresh water.

<u>CAUTION:</u> Contains Oxalates. May be fatal or harmful if swallowed. Wash thoroughly after handling. May cause eye or skin irritation or burns. For contact with skin or eyes, flush thoroughly with plenty of water for at least 15 minutes. For eyes, get prompt medical attention. Do not ingest. Consult the Material Safety Data Sheet for additional precautions.

KEEP OUT OF REACH OF CHILDREN.

PACKAGING: 55 lb. sack

3/96

MT. HOOD CHEMICAL CORPORATION

4444 N.W. YEON AVENUE, PORTLAND, OREGON 97210 (503) 227-3505 FAX (503) 225-9143 Cail Toll Free (800) 547-2594

Solubility in Water 11.7% at 20°C Va Odor and Appearance: White crystalline powder; odorless Va FIRE AND EXPLOSION DATA: Flash Point: None Flash Point: Flash Point: None Flash Point: Flash Point: Flash Point: Flash Point: None Flash Point: F	E Woods DATE: August 3: OOH•2H ₂ O EXPOSURE LIMITS, ppm_ACGIH_TLV_OSHA-PEL 1mg/M ⁻³ 1mg/M ³ ens Volatiles: N/A apor Density (Air = 1): N/A apor Pressure N/A ammability Limits N/A ammability Limits N/A see a physician immediately. see a physician immediately. see a physician.
Emergency Phone: 503-227-3505 NA = NOT AVAILABL PRODUCT NAME: OXALIC ACID PREPARED BY: K M 1995 PREPARED BY: K M CHEMICAL FAMILY: Organic Acid FORMULA HOCCC HAZARDOUS INGREDIENTS (CAS #): % Oxalic acid (144-62-7) More than 99.5% CARCINOGENIC INGREDIENTS. Contains no known or suspected carcinog: SARA TITLE H, SECTION 313 REPORTABLE INGREDIENTS: None PHYSICAL PROPERTIES Boiling Point N/A Solubility in Water 11.7% at 20°C Odor and Appearance: White crystalline powder; odoriess Va Odor and Appearance: White crystalline powder; odoriess Va Odor and Appearance: None File Extinguishing Media: Water, CO2 foam, dry chemica: Special Firefighting Procedures: None Unusual Hazards: None File HEALTH EFFECTS: Effects of overexposure: May cause eye or skin irritation or burns. Ingestion burns to mouth, tnroat, and esophagus. Inhalation of dust may cause Chronic effects of overexposure: None known or expected Medical conditions that may be aggravated by exposure: None known or ethermary routes of entry. Ingestion, skin contact, inhalation of dust EMERGENCY AND FIRST AID PROCEDURES: Eye Contact: Flush thoroughly with plenty of water for at least 15 minutes	E Woods DATE: August 3 OOH•2H ₂ O EXPOSURE LIMITS, ppm ACGIH TLV OSHA-PEJ 1mg/M ⁻³ 1mg/M ⁻³ ens. Volatiles: N/A apor Density (Air = 1): N/A apor Pressure N/A ammability Limits N/A ammability Limits N/A ammability Limits N/A See a physician immediately. see a physician.
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REACTIVITY DATA:	
	ng is difficult.
Stability Stable Ha	
	azardous Polymerization: Will not occur.
Incompatibility: Strong oxidizers	
Hazardous Decomposition Products: Thermal decomposition produces for	mic acid, carbon dioxide.
Conditions to Avoid: High heat, moisture	
SPILL OR LEAKAGE PROCEDURES	
Steps to be taken if material is released or spilled: Sweep up and place in	a closed container.
Waste disposal method: According to local state, or federal ordinances.	
SPECIAL PROTECTION INFORMATION:	
Ventilation: No special ventilation required.	
Respiration Protection: None required under normal use. If dusty, wear a	dust mask or NIOSH approved respirator.
Eye Protection: Safety goggles or glasses are recommended, especially in	dusty areas.
Protective Gloves: Impervious gloves are recommended.	
Other Protective Equipment: None required.	
Precautions to be taken in handling and storage: Store in closed container	and a second
KEEP OUT OF REACH OF CHILDREN.	in a dry place likesh thoroughly after bandling
Other precautions: None	r in a dry place. Wash thoroughly after handling.
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Health: 0 = Minimal	r in a dry place. Wash thoroughly after handling. 3 = Serious
HAZARD RATING: Health: 1 0 = Minimal Fire: 0 1 ≠ Slight Reactivity: 0 2 ≠ Moderate	