

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)

CITREX

Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

Section I

Table with manufacturer information: Santa Fe Jewelers Supply, 1513 Fifth Street, Santa Fe, NM 87505. Includes emergency telephone numbers and date prepared (10/23/01).

Section II - Hazardous Ingredients/Identity Information

Table listing hazardous components: Citric Acid, 2-Hydroxy-1,2,3-propanetricarboxylic acid. CAS#5949-29-1. Includes OSHA PEL, ACGIH TLV, and other limits.

Section III - Physical/Chemical Characteristics

Table of physical/chemical characteristics: Boiling Point (N/A), Vapor Pressure (N/A), Vapor Density (N/A), Solubility in Water (Greater than 507), Appearance and Odor (White odorless powder and/or granules).

Section IV - Fire and Explosion Hazard Data

Table of fire and explosion hazard data: Flash Point (Ignition temp. 1000-1020°C), Flammable Limits (Min. 8g/cuft-Opt.65g/cuft), LEL (N/A), UEL (N/A), Extinguishing Media (Water, carbon dioxide, foam, powder extinguisher).

Section V — Reactivity Data

Stability	Unstable		Conditions to Avoid
	Stable	XX	Unknown

Incompatibility (Materials to Avoid)

Hazardous Decomposition or Byproducts

Hazardous Polymerization	May Occur		Conditions to Avoid
	Will Not Occur	XX	None Known

Section VI — Health Hazard Data

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

Health Hazards (Acute and Chronic)

Prolonged contact with product may cause irritation.

Carcinogenicity: NTP? No IARC Monographs? No OSHA Regulated? No

Signs and Symptoms of Exposure

May be slight eye irritant, long term exposure to skin could be a mild irritant.

Medical Conditions

Generally Aggravated by Exposure No information available.

Emergency and First Aid Procedures

Eyes - immediately flush with plenty of water for 15 minutes, call physician.

Skin - Wash area with water.

Section VII — Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled

Recover material with vaccum or broom and place in non-reactive container. Flush area with water to remove final traces.

Waste Disposal Method

Conform to Federal, State and Local regulations.

Precautions to Be Taken in Handling and Storing

Store in dry area.

Other Precautions

Aqueous solutions of Citric Acid can, if in contact with reactive metal (iron, zinc, aluminum) form hydrogen which may form explosive mixtures.

Section VIII — Control Measures

Respiratory Protection (Specify Type) NIOSH approved respirator with dust and mist filter while handling crystalline material and concentrated solutions.

Ventilation	Local Exhaust	Sufficient to control dust	Special
	Mechanical (General)		Other

Protective Gloves

Standard work gloves

Eye Protection

Safety glasses

Other Protective Clothing or Equipment

Work/Hygenic Practices