



ALDON CORPORATION

MATERIAL SAFETY DATA SHEET

1533 W. Henrietta Rd.
Avon, New York 14414
(716) 226-6177

MSDS No. SS 480
Effective Date May 3, 1999

SECTION V HEALTH HAZARD DATA

SS 480

Threshold Limited Value None established (ACGIH 1992-93). Nuisance particulate 5 mg/m³ respirable dust.

Effects of Overexposure Nuisance dust symptoms; slight skin irritant. Eye contact may cause irritation. Inhalation may cause mucous membranes irritation. Ingestion may cause nausea, vomiting, dizziness, headache. Exercise appropriate procedures to minimize potential hazards.

Emergency and First Aid Procedures

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention. **SKIN:** Wash with mild soap and water. **EYES:** Flush thoroughly with water for 15 minutes, lifting lower and upper eyelids occasionally. If irritation develops or persists, get medical attention. **INGESTION:** If conscious, give water to drink, induce vomiting and get medical attention. Never give anything by mouth to an unconscious person.

SECTION VI REACTIVITY DATA

Stability	Unstable		Conditions to Avoid	Excessive temperature, heat and direct sunlight.
	Stable	X		

Incompatibility (Materials to Avoid) Strong oxidizing agents.

Hazardous Decomposition Products Thermal decomposition or burning may produce carbon monoxide and/or carbon dioxide, oxides of sodium.

Hazardous Polymerization		Conditions to Avoid	Not applicable.
May Occur	Will Not Occur		
	X		

SECTION VII SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled

Sweep up and place in a suitable container for disposal. Wash spill area with soap and water.

Waste Disposal Method Discharge, treatment, or disposal may be subject to Federal, State or Local laws. These disposal guidelines are intended for the disposal of catalog-size quantities only. Dissolve in water. Flush to sewer with copious amounts of water or dispose of in an approved incinerator or if uncontaminated, material may be disposed of in a sanitary landfill.

SECTION VIII SPECIAL PROTECTION INFORMATION

Respiration Protection (Specify Type) None required in normal laboratory handling. If dusty conditions prevail, use a standard NIOSH/MSHA approved particulate respirator.

Ventilation	Local Exhaust	Yes, as needed.	Special	No.
	Mechanical (General)	Yes, as needed.	Other	No.

Protective Gloves	If gross contact likely.	Eye Protection	Chemical safety glasses.
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Other Protective Equipment As needed: Apron, smock, goggles, proper gloves, eye wash station, fire extinguisher.

SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing

Store in a cool, dry place away from heat and oxidizing materials. Wash thoroughly after handling.

Keep container tightly closed when not in use.

Other Precautions Read label on container before using. Do not wear contact lenses when working with chemicals.

Remove and wash contaminated clothing.

For laboratory use only. Not for drug, food or household use. Keep out of reach of children.

Revision No. 6	Date 5/3/99	Approved Michael Raszeja	Chemical Safety Coordinator MR
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SECTION I NAME 24 HOUR EMERGENCY ASSISTANCE

Product	SODIUM CITRATE	 CHEMTREC 800-424-9300 Day 716-226-6177	Health	0
Chemical Synonyms	Trisodium Citrate		Fire	0
Formula	Na ₃ C ₆ H ₅ O ₇ •2H ₂ O		Reactivity	0
Unit Size	up to 2.5 Kg.		HMIS * LEAST SLIGHT MODERATE HIGH EXTREME 0 1 2 3 4	
C.A.S. No.	6132-04-3			

SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Sodium Citrate, Dihydrate	100%	None established.

CAUTION! Nuisance dust.

SECTION III PHYSICAL DATA

Melting Point (°F)	-H ₂ O @ 150°C (302°F)	Specific Gravity (H₂O = 1)	1.8
Boiling Point (°F)	Decomposes.	Percent Volatile by Volume (%)	Negligible as solid.
Vapor Pressure (mm Hg)	Negligible as solid.	Evaporation Rate (=1)	N/A
Vapor Density (Air=1)	None listed.		
Solubility in Water	72% at 25°C		
Appearance & Odor	White, crystalline granular; no odor.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	Combustible.	Flammable Limits in Air % by Volume	Unknown	Lower	Upper
Extinguisher Media	Water; carbon dioxide (CO ₂); dry chemical (ABC).				

SPECIAL FIREFIGHTING PROCEDURES

In fire conditions, wear a NIOSH/MSHA approved self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

UNUSUAL FIRE AND EXPLOSION HAZARDS

High concentrations of dust in air may form explosive mixture. Fire or excessive heat may produce hazardous decomposition products; can react vigorously with oxidizing materials.

D.O.T. NON-REGULATED.

Approved by U.S. Department of Labor "essentially similar" to form OSHA-20