



**ALDON  
CORPORATION**

## MATERIAL SAFETY DATA SHEET

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MSDS No. FF 160  
Effective Date February 25, 1999

### SECTION I NAME 24 HOUR EMERGENCY ASSISTANCE

Product	FERRIC TARTRATE	<p>CHEMTREC 800-424-9300 Day 716-226-6177</p> <p>NFPA HAZARD RATING</p> <p>LEAST SLIGHT MODERATE HIGH EXTREME 0 1 2 3 4</p> <p>HMIS * Health 1 Fire 0 Reactivity 1</p>
Chemical Synonyms	Iron Tartrate	
Formula	$C_{12}H_{12}Fe_2O_{18} \cdot H_2O$	
Unit Size	up to 2.5 Kg.	
C.A.S. No.	None assigned.	

### SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Ferric Tartrate	100%	None established.
CAUTION! MAY CAUSE IRRITATION.		

### SECTION III PHYSICAL DATA

Melting Point (°F)	N/A	Specific Gravity ( $H_2O = 1$ )	Data not listed.
Boiling Point (°F)	Decomposes.	Percent Volatile by Volume (%)	N/A
Vapor Pressure (mm Hg)	Negligible as solid.	Evaporation Rate (=1)	N/A
Vapor Density (Air=1)	N/A		
Solubility in Water	Readily soluble.		
Appearance & Odor	Brown flake or crystalline powder; no odor.		

### SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	Non-flammable.	Flammable Limits in Air % by Volume	N/A	Lower	Upper
Extinguisher Media	Water spray; carbon dioxide ( $CO_2$ ); dry chemical; foam.				

#### SPECIAL FIREFIGHTING PROCEDURES

In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus and full protective clothing.

#### UNUSUAL FIRE AND EXPLOSION HAZARDS

Fire or excessive heat may produce hazardous decomposition products; can react vigorously with oxidizing materials. May support combustion at high temperatures.

### SECTION V HEALTH HAZARD DATA

FF 160

#### Threshold Limited Value

None established. TWA: 1 mg/m<sup>3</sup> (as Iron). (ACGIH 1992-93). TWA: 5 mg/m<sup>3</sup> as nuisance dust. The dangerous dose is 30 mg/Kg. of iron.

#### Effects of Overexposure

**INHALATION:** May cause irritation to nose and throat. **SKIN CONTACT:** Not irritating. **SKIN ABSORPTION:** Not toxic dermally. **EYE CONTACT:** Irritating to the eye. **INGESTION:** Toxic orally.

#### Emergency and First Aid Procedures

**EYES:** Flush thoroughly with large amounts of water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get immediate medical attention. **SKIN:** Flush with soap and water. **INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention. **INGESTION:** If swallowed, if conscious, give one or two glasses of water, induce vomiting and call physician. Never give anything by mouth to an unconscious person.

### SECTION VI REACTIVITY DATA

Stability	Unstable	Conditions to Avoid	Excessive temperature and heat. Light and moisture.
	Stable		
		X	
Incompatibility (Materials to Avoid)		Strong oxidizing material.	
Hazardous Decomposition Products		Thermal decomposition or burning may produce carbon dioxide and/or carbon monoxide.	
Hazardous Polymerization		Conditions to Avoid	
May Occur		Will Not Occur	Not applicable.
		X	

### SECTION VII SPILL OR LEAK PROCEDURES

#### Steps to be taken in case material is released or spilled

Avoid dispersion of dust. Carefully sweep up and place in a suitable container for proper disposal. Wash spill area with 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. Uncontaminated material may be disposed of in a sanitary landfill or in an approved incinerator.

### SECTION VIII SPECIAL PROTECTION INFORMATION

Respiration Protection (Specify Type)	None should be needed in normal laboratory handling. If dusty conditions prevail, work in ventilation hood or wear a NIOSH/MSHA-approved dust mask.			
Ventilation	Local Exhaust	Recommended.	Special	No.
	Mechanical (General)	Recommended.	Other	No.
Protective Gloves	Rubber.		Eye Protection	Chemical safety glasses.
Other Protective Equipment	Eye wash station, lab coat, ventilation hood.			

### SECTION IX SPECIAL PRECAUTIONS

#### Precautions to be Taken in Handling & Storing

Store in a cool, dry place away from strong oxidizing agents. Wash thoroughly after handling.

#### Other Precautions

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

Do not leave container opened. Protect from light. Remove and wash contaminated clothing.

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

Revision	No. 4	Date	2/25/99	Approved	Michael Raszeja	Chemical Safety Coordinator	MR
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D.O.T. NON-REGULATED.

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