



ALDON CORPORATION

MATERIAL SAFETY DATA SHEET

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

MSDS No. FF 120
Effective Date November 4, 1998

SECTION V HEALTH HAZARD DATA

FF 120

Threshold Limited Value

None established. TWA: 1 mg/m³ (as iron). (ACGIH 1992-93). TWA: 5 mg/m³ as Nuisance dust. TWA: 10 mg/m³ (air). STEL: 10 mg as Fe (Fume).
The dangerous dose is 30 mg/Kg. of iron.

Effects of Overexposure

Nuisance dust. May be harmful if inhaled. Avoid breathing dust. Ferric oxide dust causes a benign pneumoconiosis. 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.
EYES: Flush thoroughly with water for 15 minutes, lifting lower and upper eyelids occasionally. If irritation develops or persists, get medical attention.
SKIN: Flush thoroughly with water, then wash with mild soap and water.
INGESTION: Treat symptomatically and supportively. Get medical attention immediately. If vomiting occurs, keep head lower than hips to prevent aspiration. Never give anything by mouth to an unconscious person.

SECTION VI REACTIVITY DATA

Stability	Unstable	Stable	Conditions to Avoid
		X	Excessive temperature to form fume or dust.

Incompatibility (Materials to Avoid)	Strong reducing agents. Aluminum; Aluminum-Magnesium Alloy (Molten) and water; Aluminum-Magnesium-Zinc Alloy; Calcium acetylide; Calcium hypochlorite; Carbon monoxide; Hydrogen peroxide.
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Hazardous Decomposition Products	None known. Thermal decomposition may release toxic and/or hazardous gases (fume).
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Hazardous Polymerization	Conditions to Avoid
May Occur	Will Not Occur
	X
	Not applicable.

SECTION VII SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled	Recover for use if not contaminated. Avoid making dust, sweep up and place in a suitable container for proper disposal. Flush spill area with water.
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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. Check local codes.
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SECTION VIII SPECIAL PROTECTION INFORMATION

Respiration Protection (Specify Type)	None should be needed in normal laboratory handling. If dusty conditions prevail, work in a fume hood or wear a NIOSH/MSHA-approved dust mask.			
Ventilation	Local Exhaust	Yes.	Special	No.
	Mechanical (General)	Recommended.	Other	No.
Protective Gloves	Not needed.		Eye Protection	Chemical safety glasses.

Other Protective Equipment	Smock, apron, eye wash station, ventilation hood.
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SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing	Store in a dry place. Avoid breathing dust. 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. Use with adequate ventilation. Remove and wash contaminated clothing.
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For laboratory use only. Not for drug, food or household use. Keep out of reach of children.

Revision	No. 4	Date	11/4/98	Approved	Michael Raszeja	Chemical Safety Coordinator	MR
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The information contained herein is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. * Hazardous Materials Industrial Standards. Printed on recycled paper.

SECTION I NAME 24 HOUR EMERGENCY ASSISTANCE

Product	FERRIC OXIDE RED
Chemical Synonyms	Iron Oxide, Jeweler's Rouge
Formula	Fe ₂ O ₃
Unit Size	up to 2.5 Kg.
C.A.S. No.	1309-37-1

CHEMTREC
800-424-9300
Day 716-226-6177

NFPA
HAZARD RATING
LEAST SLIGHT MODERATE HIGH EXTREME
0 1 2 3 4

Health	1
Fire	0
Reactivity	1

HMIS *

SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Ferric Oxide, Red	100%	See Section V.
CAUTION! MAY BE HARMFUL IF INHALED.		
DO NOT BREATHE DUST.		

SECTION III PHYSICAL DATA

Melting Point (°F)	1565°C (2850°F)	Specific Gravity (H ₂ O = 1)	5.24
Boiling Point (°F)	Data not listed.	Percent Volatile by Volume (%)	Non-volatile (NA).
Vapor Pressure (mm Hg)	Negligible as solid.	Evaporation Rate ()	Non-volatile (NA).
Vapor Density (Air=1)	Data not listed.		
Solubility in Water	Insoluble.		
Appearance & Odor	Purple-brown or red powder; no odor.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	Not flammable.	Flammable Limits in Air % by Volume	NA	Lower	Upper
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Extinguisher Media	Use any media suitable for extinguishing supporting fire.				

SPECIAL FIREFIGHTING PROCEDURES

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

UNUSUAL FIRE AND EXPLOSION HAZARDS

Fire conditions may produce nuisance dust.

D.O.T. NON-REGULATED.

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