



**ALDON CORPORATION**

# MATERIAL SAFETY DATA SHEET

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MSDS No. SS 995  
Effective Date April 21, 1998

## SECTION V HEALTH HAZARD DATA

SS 995

### Threshold Limited Value

None established (ACGIH 1992-93).

### Effects of Overexposure

None known.

### Emergency and First Aid Procedures

**EYES:** In case of contact, flush thoroughly with water to remove dust particles. Flushing should include under eyelids. If irritation develops or persists, get medical attention. **SKIN:** Flush with water, then wash with soap and water.

## SECTION VI REACTIVITY DATA

Stability	Unstable	Conditions to Avoid	Oxidizes readily in moist air.
	Stable		

Incompatibility (Materials to Avoid)	Strong oxidizers, acids. Reacts violently with Cl <sub>2</sub> , ClF <sub>2</sub> , F <sub>2</sub> , H <sub>2</sub> O <sub>2</sub> , NO <sub>2</sub> , P, H <sub>2</sub> SO <sub>4</sub> .
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Hazardous Decomposition Products	None.
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Hazardous Polymerization		Conditions to Avoid	Not applicable.
May Occur	Will Not Occur		

## SECTION VII SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled	Sweep up for recycling or place in a suitable container for disposal.
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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.
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Uncontaminated material may be disposed of in a sanitary landfill.

## SECTION VIII SPECIAL PROTECTION INFORMATION

Respiration Protection (Specify Type)	None should be needed in normal laboratory handling. If dusty conditions prevail, wear a NIOSH/MSHA-approved dust mask.		
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Ventilation	Local Exhaust	None needed.	Special	No.
	Mechanical (General)	If dusty.	Other	No.

Protective Gloves	None needed.	Eye Protection	Chemical safety glasses.
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Other Protective Equipment	Goggles, eye wash station, lab coat.
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## SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing	Store in a dry place, away from acids and oxidizers. Wash thoroughly after handling.
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Other Precautions	Read label on container before using. Do not wear contact lenses when working with chemicals.
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Remove and wash contaminated clothing.

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

Revision	No. 5	Date	4/21/98	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	STEEL	 CHEMTREC 800-424-9300 Day 716-226-6177 NFPA HAZARD RATING LEAST SLIGHT MODERATE HIGH EXTREME 0 1 2 3 4 HMIS * 0 1 2 3 4
Chemical Synonyms	Steel, Shot, Wool	
Formula	Iron (Fe <sub>2</sub> )	
Unit Size	up to 2.5 Kg.	
C.A.S. No.	15438-31-0	

## SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Steel	100%	None established.
LOW HAZARD.		

## SECTION III PHYSICAL DATA

Melting Point (°F)	1535°C (2795°F)	Specific Gravity (H <sub>2</sub> O = 1)	7.86
Boiling Point (°F)	3000°C (5432°F)	Percent Volatile by Volume (%)	Negligible.
Vapor Pressure (mm Hg)	1 mm at 1787°C	Evaporation Rate (≈1)	Not applicable.
Vapor Density (Air=1)	1.93		
Solubility in Water	Insoluble.		
Appearance & Odor	Grey color, odorless.		

## SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	Non-flammable.	Flammable Limits in Air % by Volume	NA	Lower	Upper
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Extinguisher Media	Use any media suitable for extinguishing supporting fire.
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### SPECIAL FIREFIGHTING PROCEDURES

None known.

### UNUSUAL FIRE AND EXPLOSION HAZARDS

None known.

D.O.T. NON-REGULATED.

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