



**ALDON CORPORATION**

# MATERIAL SAFETY DATA SHEET

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

MSDS No. SS 20  
Effective Date October 6, 1998

## SECTION V HEALTH HAZARD DATA

SS 20

### Threshold Limited Value

None established. Nuisance particulates: 10mg/m<sup>3</sup> total dust.

### Effects of Overexposure

May be harmful by inhalation, ingestion or skin absorption. May cause irritation. To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated. Exercise appropriate procedures to minimize potential hazards.

### Emergency and First Aid Procedures

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

## SECTION VI REACTIVITY DATA

Stability	Unstable	Conditions to Avoid	Protect from light. Excessive temperature and heat.
	Stable	X	

**Incompatibility (Materials to Avoid)** Strong oxidizers.

**Hazardous Decomposition Products** When heated to decomposition, emits toxic fumes of oxides of Nitrogen, Sulfur and Carbon.

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** Carefully sweep up, avoid making dust and place in a suitable container for proper disposal. Scrub spill area with detergent and flush with copious amounts of 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. Dispose of in an approved incinerator or contract with a licensed waste disposal agency.

## SECTION VIII SPECIAL PROTECTION INFORMATION

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

## SECTION IX SPECIAL PRECAUTIONS

**Precautions to be Taken in Handling & Storing** Store in a cool, dry place. 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. Avoid contact with skin and eyes. Avoid breathing dust. Use adequate ventilation. 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	10/6/98	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	SAFRANIN O	 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	Safranin O, Biological Stain	
Formula	C <sub>20</sub> H <sub>19</sub> N <sub>4</sub> Cl	
Unit Size	up to 2.5 Kg.	
C.A.S. No.	477-73-6	

## SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Safranin O, Powder	100%	None established.
(Basic Red 2) C.I. No. 50240		
<b>CAUTION! MAY BE HARMFUL IF SWALLOWED, INHALED</b>		
<b>OR ABSORBED THROUGH SKIN. CAUSES IRRITATION.</b>		

## SECTION III PHYSICAL DATA

Melting Point (°F)	Not listed.	Specific Gravity (H <sub>2</sub> O = 1)	Greater than 1.
Boiling Point (°F)	Decomposes.	Percent Volatile by Volume (%)	Negligible as solid.
Vapor Pressure (mm Hg)	Negligible as solid.	Evaporation Rate (≈1)	Not applicable.
Vapor Density (Air=1)	Unknown.		
Solubility in Water	Soluble.		
Appearance & Odor	Dark red-brown powder; no odor.		

## SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	Not applicable.	Flammable Limits in Air % by Volume		Lower	Upper
		NA		-----	-----
Extinguisher Media	Use carbon dioxide (CO <sub>2</sub> ); dry chemical (ABC); water spray or fog.				

### SPECIAL FIREFIGHTING PROCEDURES

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

### UNUSUAL FIRE AND EXPLOSION HAZARDS

When heated to decomposition, emits toxic fumes of oxides of nitrogen, sulfur and carbon; can react vigorously with oxidizing materials.

D.O.T. NON-REGULATED.

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