



**ALDON CORPORATION**

# MATERIAL SAFETY DATA SHEET

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MSDS No. FF 240  
Effective Date February 25, 1999

## SECTION I NAME 24 HOUR EMERGENCY ASSISTANCE

<b>Product</b>	FLUORESCEIN, DISODIUM SALT	 <p>CHEMTREC 800-424-9300 Day 716-226-6177</p> <p>NFPA HAZARD RATING</p> <table border="1"> <tr> <td>LEAST</td> <td>SLIGHT</td> <td>MODERATE</td> <td>HIGH</td> <td>EXTREME</td> </tr> <tr> <td>0</td> <td>1</td> <td>2</td> <td>3</td> <td>4</td> </tr> </table> <p>HMIS *</p> <table border="1"> <tr> <td>Health</td> <td>0</td> </tr> <tr> <td>Fire</td> <td>1</td> </tr> <tr> <td>Reactivity</td> <td>1</td> </tr> </table>	LEAST	SLIGHT	MODERATE	HIGH	EXTREME	0	1	2	3	4	Health	0	Fire	1	Reactivity	1
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0	1		2	3	4													
Health	0																	
Fire	1																	
Reactivity	1																	
<b>Chemical Synonyms</b>	Uranine, C.I. No. 45350																	
<b>Formula</b>	C <sub>20</sub> H <sub>10</sub> O <sub>5</sub> Na <sub>2</sub>																	
<b>Unit Size</b>	up to 500 grams																	
<b>C.A.S. No.</b>	518-47-8																	

## SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Fluorescein, Disodium Salt	90%	None established.
<b>CAUTION! MAY BE HARMFUL BY INHALATION, INGESTION, OR SKIN ABSORPTION. CAUSES EYE AND SKIN IRRITATION.</b>		

## SECTION III PHYSICAL DATA

Melting Point (°F)	314-316°C (597-600°F) dec.	Specific Gravity (H <sub>2</sub> O = 1)	N/A
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	Freely soluble in water at 20°C.		
Appearance & Odor	Orange-red rusty brown crystalline powder; no odor.		

## SECTION IV FIRE AND EXPLOSION HAZARD DATA

<b>Flash Point (Method Used)</b>	Non-flammable.	Flammable Limits in Air % by Volume	N/A	Lower	Upper
<b>Extinguisher Media</b>	Carbon dioxide (CO <sub>2</sub> ); dry chemical; water spray.				

## 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.

D.O.T. **NON-REGULATED.**

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

## SECTION V HEALTH HAZARD DATA

FF 240

**Threshold Limited Value** None established. (ACGIH 1992-93).

**Effects of Overexposure** TARGET ORGANS AFFECTED: Eyes, kidneys. Eye contact may cause irritation, conjunctivitis. May cause mild irritation to skin. May cause respiratory tract irritation. Ingestion may cause nausea, vomiting, diarrhea, abdominal pain and kidney irritation. Exercise appropriate procedures to minimize potential hazards.

**Emergency and First Aid Procedures**  
**EYES:** Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get immediate medical attention. **SKIN:** Flush skin with water, then wash 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 to drink. Induce vomiting and get medical attention. Never give anything by mouth to an unconscious person.

## SECTION VI REACTIVITY DATA

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

## SECTION VII SPILL OR LEAK PROCEDURES

**Steps to be taken in case material is released or spilled**  
Wearing suitable protective clothing, sweep material onto paper. Place in fiber carton. Dispose of in an approved incinerator. Flush 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. Dispose of in an approved incinerator or contract with a licensed waste disposal service.

## SECTION VIII SPECIAL PROTECTION INFORMATION

<b>Respiration Protection (Specify Type)</b>	None needed in normal laboratory handling. If dusty conditions prevail, wear NIOSH/MSHA approved dust mask or respirator.			
<b>Ventilation</b>	<b>Local Exhaust</b>	If dusty.	<b>Special</b>	No.
	<b>Mechanical (General)</b>	Recommended.	<b>Other</b>	No.
<b>Protective Gloves</b>	Rubber.		<b>Eye Protection</b>	Chemical safety glasses.
<b>Other Protective Equipment</b>	Smock, apron, eye wash station, ventilation hood.			

## SECTION IX SPECIAL PRECAUTIONS

**Precautions to be Taken in Handling & Storing**  
Store in a cool, dry place away from strong 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. 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.

<b>Revision</b> No. 5	<b>Date</b> 2/25/99	<b>Approved</b> Michael Raszeja	<b>Chemical Safety Coordinator</b> MR
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