



**ALDON CORPORATION**

# MATERIAL SAFETY DATA SHEET

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

MSDS No.  
Effective Date

DD 11  
February 20, 1999

## SECTION I NAME 24 HOUR EMERGENCY ASSISTANCE

Product	D & C RED #22	 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	Health	1
Chemical Synonyms	Tetrabromofluorescein, Acid Red 87, C.I. No. 45380		Fire	1
Formula	C <sub>20</sub> H <sub>6</sub> Br <sub>4</sub> O <sub>5</sub> Na <sub>2</sub>		Reactivity	0
Unit Size	up to 2.5 Kg.			
C.A.S. No.	17372-87-1			

## SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
D & C Red #22	100%	None established.

CAUTION! MAY BE HARMFUL IF SWALLOWED, INHALED OR

ABSORBED THROUGH SKIN. MAY CAUSE IRRITATION.

## SECTION III PHYSICAL DATA

Melting Point (°F)	None listed.	Specific Gravity (H <sub>2</sub> O = 1)	None listed.
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)	N/A		
Solubility in Water	Appreciable.		
Appearance & Odor	Red-Brown crystalline powder; no odor.		

## SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	Non-volatile solid (NA).	Flammable Limits in Air % by Volume	Lower	Upper
		Calculated	0.6%	-----
Extinguisher Media	Carbon dioxide (CO <sub>2</sub> ); dry chemical (ABC); water spray.			

## SPECIAL FIREFIGHTING PROCEDURES

In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus and protective clothing. Use water spray to keep fire exposed containers cool.

## UNUSUAL FIRE AND EXPLOSION HAZARDS

Fire or excessive heat may produce hazardous decomposition products; can react vigorously with oxidizing materials.

## SECTION V HEALTH HAZARD DATA

DD 11

### Threshold Limited Value

None established (ACGIH 1992-93).  
Toxicity data: Orl-mus LD50: 2344 mg/kg.

### Effects of Overexposure

May be harmful by inhalation, ingestion, or skin absorption. To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. Specific data is not available. 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 thoroughly with water, then wash with mild soap and water. **INGESTION:** If swallowed, if conscious, give one or two glasses of water to drink and get medical attention. Never give anything by mouth to an unconscious person. **INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

## SECTION VI REACTIVITY DATA

Stability	Unstable	Conditions to Avoid	Not fully evaluated. Materials containing similar functional groups can violently decompose at elevated temperature upon heating.
	Stable	X	

Incompatibility (Materials to Avoid)	Strong oxidizers, reducing agents.
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Hazardous Decomposition Products	Thermal decomposition or burning may produce hydrogen bromide, carbon dioxide and/or carbon monoxide, oxides of nitrogen, oxides of sulfur.
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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

Sweep up and place in a suitable container for safe feed to an incinerator.

### 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 equipped with an afterburner and scrubber or contract with a licensed waste disposal service.

## SECTION VIII SPECIAL PROTECTION INFORMATION

Respiration Protection (Specify Type)	None needed in normal laboratory handling. If dusty conditions prevail, work in ventilation hood or 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.
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Other Protective Equipment	Smock, apron, eye wash station, proper gloves.
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## SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing	Store in a cool, dry place away from oxidizing materials. 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. Avoid contact with skin and eyes. Avoid breathing dust. 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. 2	Date	2/20/99	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