



**ALDON CORPORATION**

# MATERIAL SAFETY DATA SHEET

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MSDS No. CC 395  
Effective Date February 11, 1999

## SECTION I NAME 24 HOUR EMERGENCY ASSISTANCE

Product	CONGO RED, BIOLOGICAL STAIN/INDICATOR	<p>CHEMTREC 800-424-9300 Day 716-226-6177</p> <p>NFPA HAZARD RATING</p> <p>LEAST SLIGHT MODERATE HIGH EXTREME 0 1 2 3 4</p> <p>HMIS * Health 3 Fire 1 Reactivity 1</p>
Chemical Synonyms	Direct Red 28; C.I. No. 22120	
Formula	C <sub>32</sub> H <sub>22</sub> N <sub>6</sub> Na <sub>2</sub> O <sub>6</sub> S <sub>2</sub>	
Unit Size	up to 2.5 Kg.	
C.A.S. No.	573-58-0	

## SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Congo Red, Biological Stain/pH Indicator	100%	None established.
<b>WARNING! HARMFUL IF SWALLOWED, INHALED, OR ABSORBED THROUGH SKIN. CAUSES IRRITATION. THIS MATERIAL IF INGESTED, INHALED, OR ABSORBED THROUGH THE SKIN MAY METABOLIZE TO BENZIDINE. KNOWN TO BE CARCINOGENIC.</b>		

## SECTION III PHYSICAL DATA

Melting Point (°F)	No data available.	Specific Gravity (H <sub>2</sub> O = 1)	No data available.
Boiling Point (°F)	No data available.	Percent Volatile by Volume (%)	Not applicable.
Vapor Pressure (mm Hg)	No data available.	Evaporation Rate ( = 1)	No data available.
Vapor Density (Air=1)	No data available.		
Solubility in Water	Soluble.		
Appearance & Odor	Red-brown crystalline powder; no odor.		

## SECTION IV FIRE AND EXPLOSION HAZARD DATA

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

### SPECIAL FIREFIGHTING PROCEDURES

In fire conditions, wear 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 sulfur and oxides of nitrogen; can react vigorously with oxidizing materials.

## SECTION V HEALTH HAZARD DATA

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### Threshold Limited Value

RTECS No. QK1400000 Toxicity data: ivn-rat LDLo 160 mg/kg.

### Effects of Overexposure

May be harmful by inhalation, ingestion, or skin absorption. May cause irritation. Exercise appropriate procedures to minimize potential hazards.

### Emergency and First Aid Procedures

**SKIN:** Flush thoroughly with water, then wash with mild soap and water.  
**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 not breathing, give artificial respiration. If breathing is difficult, give oxygen.

## SECTION VI REACTIVITY DATA

Stability	Unstable		Conditions to Avoid	Protect from light.
	Stable	X		Excessive temperature and heat.
Incompatibility (Materials to Avoid)	Strong oxidizers.			
Hazardous Decomposition Products	Combustion will produce carbon dioxide and probably emits toxic fumes of oxides of sulfur and nitrogen.			
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

Use an absorbent to prevent dusting.  
Sweep up and place in a suitable container for proper disposal.  
Wash spill area with soap and 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 equipped with an afterburner and scrubber or contract with a licensed chemical waste disposal agency.

## SECTION VIII SPECIAL PROTECTION INFORMATION

Respiration Protection (Specify Type)	None should be needed in normal laboratory handling. If dusty conditions prevail, work in a 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	Safety glasses, smock, apron, proper gloves, eye wash station, and ventilation hood.
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## SECTION IX SPECIAL PRECAUTIONS

### Precautions to be Taken in Handling & Storing

Store in a cool, dry place.  
Wash thoroughly after handling.

### Other Precautions

Read label on container before using. Do not wear contact lenses when working with chemicals.

Remove and wash contaminated clothing.

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

Revision	No. 6	Date	2/11/99	Approved	Michael Raszeja	Chemical Safety Coordinator	MR
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Approved by U.S. Department of Labor "essentially similar" to form OSHA-20