



ALDON CORPORATION

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MATERIAL SAFETY DATA SHEET

MSDS No.: CC0395
Effective Date: April 4, 2005

24 HOUR EMERGENCY ASSISTANCE

SECTION I	NAME
Product	Congo Red, Biological Stain / Indicator
Chemical Synonyms	Direct Red 28; C.I. No. 22120
Formula	$C_{32}H_{22}N_6Na_2O_8S_2$
Unit Size	up to 2.5 Kg.
C.A.S. No.	573-58-0

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CHEMTREC
800-424-9300
Day 585-226-6177

NFPA

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HMIS *

HEALTH

FIRE

REACTIVITY

HAZARD RATING

MINIMAL

SLIGHT

MODERATE

SERIOUS

SEVERE

INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Congo red, biological stain/pH indicator	100%	None established.

WARNING!

HAZARDOUS IF SWALLOWED, INHALED OR ABSORBED THROUGH THE SKIN.

SECTION III	PHYSICAL DATA
Melting Point (°F)	No data available.
Boiling Point (°F)	No data available.
Vapor Pressure (mm Hg)	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.
Extinguisher Media	Use carbon dioxide; dry chemical; 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.

D.O.T.	NON-REGULATED.
Approved by U.S. Department of Labor "essentially similar" to form OSHA-20	

SECTION V HEALTH HAZARD DATA

Threshold Limited Value
RTECS No. QK1400000 Toxicity data: Oral-man: LDLo: 143 mg/kg.
Oral-rat: LD50: 15,200 mg/kg.

Effects of Overexposure

May be harmful by inhalation, ingestion, or skin absorption. May cause irritation. Exercise appropriate procedures to minimize potential hazards. Target organs: None known.

Emergency and First Aid Procedures

INGESTION: Call physician or Poison Control Center immediately. Induce vomiting only if advised by appropriate medical personnel. Never give anything by mouth to an unconscious person. **EYES:** Check for and remove contact lenses. Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get immediate medical attention. **SKIN:** Remove contaminated clothing. Flush thoroughly with mild soap and water. If irritation occurs, get medical attention. **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	Stable	Conditions to Avoid
		X	Protect from light. Excessive temperature.
Incompatibility (Materials to Avoid)	Strong oxidizers.		

Hazardous Decomposition Products
Combustion will produce carbon oxides and probably emits toxic fumes of oxides of sulfur, sodium and nitrogen.

Hazardous Polymerization	May Occur	Will Not Occur	Conditions to Avoid
		X	Not applicable.

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.
Protective Gloves	Mechanical (General)	Recommended.	Other	No.
Other Protective Equipment	Rubber.		Eye Protection	
Safety glasses, smock, apron, proper gloves, eye wash station, and ventilation hood.		Chemical safety glasses.		

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. For laboratory use only. Not for drug, food or household use. Keep out of reach of children.
Remove and wash contaminated clothing.

Revision No.	8	Date	04/04/05	Approved	Michael Raszeja	Chemical Safety Coordinator	MR
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