




**ALDON  
CORPORATION**

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MSDS No. CC 400  
Effective Date July 1, 1991

## MATERIAL SAFETY DATA SHEET

### SECTION I NAME 24 HOUR EMERGENCY ASSISTANCE

Product	CONGO RED, pH INDICATOR	 CHEMTREC 800-424-9300 Day 716-226-6177 Night 716-334-4222  NFPA HAZARD RATING LEAST SLIGHT MODERATE HIGH EXTREME 0 1 2 3 4	Health	3
Chemical Synonyms	C.I. No. 22120; Direct Red 28		Fire	0
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>		Reactivity	0
Unit(s) Size	500 grams			
C.A.S. No.	573-58-0			

### SECTION II HAZARDOUS INGREDIENTS OF MIXTURES

Principal Hazardous Component(s)	%	TLV Units
Congo Red, pH Indicator	100%	None established.
<b>WARNING! MAY BE 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)	Greater 360°C (680°F)	Specific Gravity (H <sub>2</sub> O = 1)	Unknown.
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)	Negligible as solid.		
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	NA	Lower	Upper
Extinguisher Media	Use carbon dioxide (CO <sub>2</sub> ); dry chemical (ABC); water spray or fog.				

### SPECIAL FIREFIGHTING PROCEDURES

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

### UNUSUAL FIRE AND EXPLOSION HAZARDS

When heated to decomposition, emits toxic fumes of oxides of sulfur (SO<sub>x</sub>) and oxides of nitrogen (NO<sub>x</sub>); can react vigorously with oxidizing materials.

### SECTION V HEALTH HAZARD DATA

CC 400

#### Threshold Limited Value

None established.

#### Effects of Overexposure

May be harmful by inhalation, ingestion, or skin absorption. May cause irritation.

#### 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.

### 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.  
Wash 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 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-approved dust mask.			
Ventilation	Local Exhaust	Recommended.	Special	No.
	Mechanical (General)	Recommended.	Other	No.
Protective Gloves	Rubber.		Eye Protection	Chemical safety glasses.
Other Protective Equipment	Safety glasses, smock, apron, proper gloves, eye wash station, and ventilation hood.			

### 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.

Rev. No.	No. 2	Date	7/1/91	Approved	Alexander A. Piccirilli	Chemical Safety Coordinator	AP
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D.O.T. NON-REGULATED.

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