



ALDON CORPORATION

MATERIAL SAFETY DATA SHEET

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(716) 226-6177

MSDS No. CC 163
Effective Date February 3, 1999

SECTION V HEALTH HAZARD DATA

CC 163

Threshold Limited Value

SKIN TWA: 5 ppm, 19 mg/m³ as Phenol

Effects of Overexposure

INHALATION: In animals, prolonged inhalation of vapors (30-60 ppm) has induced respiratory difficulties, lung damage, loss of weight, and paralysis. Breathing of phenol vapors can cause irritation of the mucous membranes. **INGESTION:** Ingestion of phenol causes intense burning of mouth and throat followed by marked abdominal pain and distress. Lethal oral doses of phenol for adults have ranged from 1 to 10 gm; for infants 50 to 500 mg. Cyanosis, muscular weakness, and collapse may occur within a few minutes after ingestion. Tremors and convulsions are occasionally observed. **SKIN:** A serious burn or poisoning through skin absorption may occur if the chemical is not removed promptly and thoroughly. If the phenol is left on the skin the exposed area will burn. **EYES:** Corrosive. May cause corneal damage or blindness.

Emergency and First Aid Procedures

INGESTION: If swallowed, do **NOT** induce vomiting without specific instructions from physician. Get immediate medical attention. Keep victim warm and quiet. Never give anything by mouth to an unconscious person. **SKIN:** Flush thoroughly with water while removing contaminated clothing and shoes. **EYES:** Flush thoroughly with water for 15 minutes, lifting lower and upper eyelids occasionally. Get immediate medical attention. **INHALATION:** Remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration administered by trained personnel. Get immediate medical attention.

SECTION VI REACTIVITY DATA

Stability	Unstable	Conditions to Avoid	Protect from light. Excessive temperature and heat.
	Stable	X	

Incompatibility (Materials to Avoid)	Strong oxidizing agents, halogens and calcium hypochlorite. Hot phenol attacks aluminum, lead, magnesium and zinc and the phenol is discolored. The discoloration of phenol is catalyzed by iron and copper.
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Hazardous Decomposition Products	When heated emits corrosive and toxic fumes of Phenol, carbon dioxide, and/or carbon monoxide and smoke.
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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	Wearing proper protective equipment and adequate ventilation mix with sand, sweep up and place in a suitable container for disposal. Flush spill area with soap and water.
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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.
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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.
Other Protective Equipment	Safety glasses, goggles, lab coat, vented hood, proper gloves, and eye wash station.			

SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing	Store in a cool, dry, well-ventilated area. 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. Do not breathe dust. Avoid contact with eyes, skin, and clothing. 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. 6	Date 2/3/99	Approved Michael Raszeja	Chemical Safety Coordinator	MR
The information contained herein is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. * Hazardous Materials Industrial Standards. Printed on recycled paper.				

SECTION I NAME 24 HOUR EMERGENCY ASSISTANCE

Product	CARBOL FUCHSIN, STAIN
Chemical Synonyms	Carbol Fuchsin, Biological Stain
Formula	Mixture.
Unit Size	up to 10 grams
C.A.S. No.	4197-24-4

CHEMTREC
800-424-9300
Day 716-226-6177

NFPA HAZARD RATING

LEAST	SLIGHT	MODERATE	HIGH	EXTREME
0	1	2	3	4

HMIS *

Health	2
Fire	1
Reactivity	1

SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Phenol: (CAS No. 108-95-2) (CORROSIVE)	8%	5 ppm; 19 mg/m ³
Basic Fuchsin: (CAS No. 632-99-5)	92%	None established.
WARNING! HARMFUL IF SWALLOWED, INHALED, OR ABSORBED THROUGH SKIN. MAY CAUSE BURNS.		

SECTION III PHYSICAL DATA

Melting Point (°F)	N/A	Specific Gravity (H ₂ O = 1)	N/A
Boiling Point (°F)	N/A	Percent Volatile by Volume (%)	N/A
Vapor Pressure (mm Hg)	N/A	Evaporation Rate (Ether = 1)	N/A
Vapor Density (Air=1)	N/A		
Solubility in Water	Very soluble.		
Appearance & Odor	Dark green crystalline solid; phenol characteristic odor.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	N/A	Flammable Limits in Air % by Volume	N/A	Lower	Upper
Extinguisher Media	Alcohol foam; carbon dioxide (CO ₂); dry chemical (ABC).				

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