



COLUMBUS CHEMICAL INDUSTRIES INC.

P.O. BOX 8
COLUMBUS, WISCONSIN 53925-0008
(920) 623-2140
FAX (920) 623-2577

Material Safety Data Sheet

U.S. Department of Labor

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910 1200. Standard must be consulted for specific requirements

Occupational Safety and Health Administration
(Non-Mandatory Form)
Form Approved
OMB No. 1218-0072

IDENTITY (as Used on Label and List)
Aceto-Orcein 2%

Note: Blank spaces are not permitted. If any item is not applicable or no information is available, the space must be marked to indicate that.

Section I

Manufacturers /Distributor Address Number Street City State and Zip Code
Columbus Chemical Industries
N4335 Temkin Road
Columbus, Wisconsin 53925

Emergency Telephone Number
CHEMTREC 1 (800) 424-9300
Telephone Number for Information
1-920-623-2140
Date Prepared
06-08-2007
Signature of Preparer (optional)

Section II - Hazardous Ingredients/Identity Information

Table with 6 columns: Hazardous Components (Specific Chemical Identity, Common Name(s)), CAS #, OSHA PEL, ACGIH TLV, Other Limits Recommended, % (optional). Rows include Acetic Acid* and Orcein.

*SYNONYMS: Ethanoic Acid; Ethanylic Acid; Methanecarboxyllic Acid; Vinegar Acid.

Section III - Physical/Chemical Characteristics

Table with 4 columns: Property, Value, Property, Value. Rows include Boiling Point, Vapor Pressure, Vapor Density, Specific Gravity, Melting Point, and Evaporation Rate.

Solubility in Water
Complete.
Appearance and Odor
Deep red (burgandy) liquid; pungent, vinegar odor.

Section IV Fire and Explosion Hazard Data

Table with 4 columns: Flash Point (Method Used), Flammable Limits, LEL, UEL. Row includes Nonflammable.

Extinguishing Media
Water spray, dry chemical, carbon dioxide, alcohol foam.
Special Fire Fighting Procedures

In the event of a fire, wear full protective clothing and NIOSH/MSHA-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode. Prevent contact with skin and eyes.

Unusual Fire and Explosion Hazards
Emits toxic fumes under fire conditions.

Section V Reactivity Data

Stability	Unstable		Conditions to Avoid	Strong oxidizing reagents, metals, strong bases, amines.
	Stable	X		

Incompatibility Materials to Avoid

Material reacts violently with strong oxidizing reagents; material reacts with metals, strong bases, and amines.

Hazardous Decomposition or Byproducts

Carbon dioxide; carbon monoxide.

Hazardous Polymerization**Conditions to Avoid**

	May Occur		Not Available
	Will Not Occur	X	

Section VI Health Hazard Data

Routes of Entry	Inhalation ?	Skin ?	Ingestion ?
	Yes	Yes	Yes

Health Hazards (Acute and Chronic)

Causes chemical burns. Irritating to the skin, eyes, mucous membranes and upper respiratory tract. May be harmful if swallowed. Inhalation may result in spasm, inflammation and edema of the larynx and bronchi, chemical pneumonitis, and pulmonary edema. Ingestion or inhalation may cause damage to respiratory and digestive tracts.

Carcinogenicity	NTP	IARC Monographs	OSHA REGULATED?
	Not listed	Not listed	Not listed

Signs and Symptoms of Exposure.

Burning sensation, coughing, wheezing, laryngitis, shortness of breath, headache, nausea, vomiting, erythema, blisters, tissue destruction, bloody diarrhea, edema, convulsions, bronchitis, pneumonia, cardiovascular collapse, shock and death.

Medical Conditions Generally Aggravated by Exposure

Asthma, emphysema, other respiratory diseases.

Emergency and First Aid Procedures **EYES/SKIN:** Flush immediately with plenty of water for at least 15 minutes. Remove contaminated clothing. Remove contact lenses if possible. Call physician/poison control center immediately. Wash clothing before reuse. **INGESTION:** DO NOT induce vomiting. Give 1-2 cupfuls of water to conscious victim. **INHALATION:** Move to fresh air. Give oxygen if breathing is difficult, artificial respiration if not breathing.

Section VII Precautions for Safe Handling and Use

Steps to be Taken in Case Material is Released or Spilled Evacuate unprotected personnel from area. Wear appropriate respirator, rubber boots, heavy protective gloves and chemical safety goggles. Neutralize spill area area with soda ash or lime. Absorb spill with vermiculite or other inert material. Flush spill area with water.

Waste Disposal Method Dispose of material in accordance with all Federal, state, and local regulations.

Precautions to be Taken in Handling and Storing Do not get in eyes or on skin or clothing. Do not taste or swallow. Avoid breathing vapors. Use only with adequate ventilation. Wash thoroughly after handling. Keep container tightly closed.

Other Precautions Containers, even when empty, will retain residue. Always obey hazard warnings and handle empty containers as if they were full.

Section VIII Control Measures

Respiratory Protection (Specify Type) NIOSH/MSHA-approved respirator with organic vapor cartridge.

Ventilation	Local Exhaust	Required	Special	Safety shower nearby.
	Mechanical (General)	Recommended	Other	Eye wash station nearby.

Protective Gloves Chemical resistant rubber gloves. **Eye Protection** Chemical Safety Goggles.

Other Protective Clothing or Equipment Boots; protective clothing; full-face respirator, if needed.

Work /Hygienic Practices Do NOT wear contact lenses. Wear appropriate personal protective equipment. Wash thoroughly after handling. Avoid breathing vapors. Avoid contact with eyes, skin and clothing. Use only with adequate ventilation. Avoid prolonged or repeated exposure. **CORROSIVE!**

Columbus Chemical Industries, Inc. ("Columbus") believes that the information herein is factual but it is not intended to be all inclusive. The information relates only to the specific Material designated and does not relate to its use in combination with other materials or its use as to any particular process. Because safety standards and regulations are subject to change and because Columbus has no continuing control over the Material, those handling, storing or using the Material should satisfy themselves that they have current information regarding the particular way the Material is handled, stored and used and that the same is done in accordance with federal, state and local law. COLUMBUS MAKES NO WARRANTY, EXPRESS OR IMPLIED, INCLUDING (WITHOUT LIMITATION) WARRANTIES WITH RESPECT TO THE COMPLETENESS OR CONTINUING ACCURACY OF THE INFORMATION CONTAINED HEREIN OR WITH RESPECT TO FITNESS FOR ANY PARTICULAR USE.