



COLUMBUS CHEMICAL INDUSTRIES INC.

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

Material Safety Data Sheet

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements

U.S. Department of Labor

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

IDENTITY (as Used on Label and List)

Safranine O

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, Inc.

N4335 Temkin Road

Columbus, WI 53925-0008

Emergency Telephone Number

CHEMTREC 1 (800) 424-9300

Telephone Number for Information

1 (920) 623-2140

Date Prepared

01-17-2007

Signature of Preparer (optional)

Section II - Hazardous Ingredients/Identity Information

Hazardous Components

(Specific Chemical Identity, Common Name(s))

CAS #

OSHA PEL

ACGIH TLV

Other Limits

Recommended

% (optional)

Safranine O

477-73-6

Not Available

Not Available

Not Available

SYNONYMS: C.I. 50240; CI Basic red 2; 2,8-Dimethylphenosafranine

Section III - Physical/Chemical Characteristics

Boiling Point

Not Available

Specific Gravity (H2O = 1)

Not Available

Vapor Pressure (mm Hg)

Not Available

Melting Point

Not Available

Vapor Density (AIR = 1)

Not Available

Evaporation Rate (Butyl Acetate = 1)

Not Available

Solubility in Water

Soluble

Appearance and Odor

Opaque, dark burgundy liquid

Section IV Fire and Explosion Hazard Data

Flash Point (Method Used)

Non flammable

Flammable Limits

LEL

UEL

Not applicable

Not applicable

Extinguishing Media

Use extinguishing media appropriate for surrounding fire.

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.

Unusual Fire and Explosion Hazards

Emits toxic fumes under fire conditions.

Section V Reactivity Data

Stability	Unstable		Conditions to Avoid	None known
	Stable	X		

Incompatibility Materials to Avoid
unknown

Hazardous Decomposition or Byproducts

Carbon dioxide; carbon monoxide.

Hazardous Polymerization**Conditions to Avoid**

	May Occur		Not applicable.
	Will Not Occur	X	

Section VI Health Hazard Data**Routes of Entry****Inhalation ?****Skin ?****Ingestion ?**

	Yes	Yes	Yes
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Health Hazards (Acute and Chronic)

EYES/SKIN: May cause irritation. may cause damage to cornea. INHALATION: May cause irritation of the mucous membranes and upper respiratory tract. INGESTION: May cause digestive tract irritation.

Cationic solution.

Carcinogenicity**NTP****IARC Monographs****OSHA REGULATED?**

	Not Listed	Not Listed	Not Listed
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Signs and Symptoms of Exposure.

EYES: Redness, pain, tearing, conjunctivitis. SKIN: Redness, swelling, pain, itchiness, rash. INGESTION: Gastrointestinal pain.

INHALATION: Pain, inflammation of mucous membranes, wheezing, coughing.

Medical Conditions Generally Aggravated by Exposure

Prolonged or repeated exposure to material is not known to aggravate medical conditions.

Emergency and First Aid Procedures

EYES: immediately flush with large amounts of water for at least 15 minutes.

Seek Medical Attention. SKIN: Remove contaminated clothing. Rinse with copious amounts of soap and water.

INHALATION: Remove victim to fresh air. If difficulty breathing, give oxygen. If not breathing, give artificial respiration.

INGESTION: DO NOT INDUCE VOMITING. Loosen tight clothing and move to fresh air. Call a physician.

Section VII Precautions for Safe Handling and Use**Steps to be Taken in Case Material is Released or Spilled**

Wear NIOSH/MSHA-approved respirator, goggles, rubber boots, apron and chemical-resistant rubber gloves. Absorb on suitable material, place in a bag and hold for waste disposal. Ventilate area and wash spill site after material pickup is complete.

Waste Disposal Method

Dispose of material and spillage in accordance with all applicable Federal, state, and local regulations.

Precautions to be Taken in Handling and Storing

Keep in tightly closed container. Store in a cool, dry, ventilated area. Protect against physical damage.

Other Precautions

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

Section VII Control Measures**Respiratory Protection (Specify Type)**

NIOSH/MSHA-approved respirator with dust/mist cartridge.

Ventilation**Local Exhaust**

Necessary.

Special

Eye-wash nearby.

Mechanical (General)

Recommended.

Other

Safety shower nearby.

Protective Gloves

Chemical resistant gloves.

Eye Protection

Chemical safety goggles

Other Protective Clothing or Equipment

Lab coat or apron, boots, dust mask.

Work /Hygienic Practices

Wash exposed areas thoroughly after handling. Avoid contact with eyes, skin and clothing.

Avoid prolonged or repeated exposure. Do not breathe vapors. Wash contaminated clothing before reuse. Do not wear contact lenses when handling this product.

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