



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)

Fluorescein, disodium salt

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

Emergency Telephone Number

CHEMTREC 1-800-424-9300

Telephone Number for Information

(920) 623-2140

Date Prepared

10-03-2006

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)

Fluorescein, disodium salt*

518-47-8

Not Available

Not Available

Not Available

* Synonyms: Fluorescein indicator; CI Acid yellow 73.

Section III - Physical/Chemical Characteristics

Boiling Point

Not Available

Specific Gravity (H2O = 1)

Not Available

Vapor Pressure (mm Hg)

Not Available

Melting Point

320°C (608°F)

Vapor Density (AIR = 1)

Not Available

Evaporation Rate (Butyl Acetate = 1)

Not Available

Solubility in Water

Soluble

Appearance and Odor

red to orange powder

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	Heat, ignition sources
	Stable	X		

Incompatibility Materials to Avoid

Unknown

Hazardous Decomposition or Byproducts

Carbon oxides, sodium oxides

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)

SKIN: May cause irritation and may be harmful if absorbed through the skin. EYE: Causes eye irritation.

INHALATION: May be harmful if inhaled. Material may be irritating to the mucous membranes and upper respiratory tract. INGESTION: May be harmful if swallowed.

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

Signs and Symptoms of Exposure.

Irritation to eyes, skin, mucous membranes and upper respiratory tract characterized by itching, swelling, redness and pain. Gastrointestinal discomfort and possible pain upon ingestion

Medical Conditions Generally Aggravated by Exposure

Unknown

Emergency and First Aid Procedures EYES /SKIN: Immediately flush with large amounts of water for at least 15 minutes.Remove contaminated clothing. Assure adequate flushing of eyes by separating eyelids with fingers. INHALATION: remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. INGESTION: **DO NOT** induce vomiting. Give 1-2 cupfuls of water. Contact a physician.**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 rubber boots, heavy protective gloves dust respirator if necessary and chemical safety goggles. Sweep up and place in a plastic bag and hold for waste disposal. Ventilate area and wash spill site after material pickup is complete.**Waste Disposal Method** Dispose of material in accordance with all applicable Federal, state, and local regulations.**Precautions to be Taken in Handling and Storing** Store in a cool, dry, well-ventilated area in tightly-closed, plainly-labelled containers. Store in a corrosion-resistant container. Protect against moisture, physical damage and light. Maintain adequate ventilation. Wash thoroughly after handling. Do not ingest or breathe dust. Protect exposed tissues.**Other Precautions** Containers, even when empty, will retain residue and vapors. Always obey hazard warnings and handle empty containers as if they were full.**Section VII Control Measures****Respiratory Protection (Specify Type)** NIOSH/MSHA-approved dust respirator if necessary

Ventilation	Local Exhaust	Recommended.	Special	Eyewash nearby.
	Mechanical (General)	Acceptable	Other	Safety shower nearby.

Protective Gloves Appropriate chemical-resistant gloves. **Eye Protection** Safety goggles**Other Protective Clothing or Equipment** Lab coat or apron**Work /Hygienic Practices** Do **NOT** wear contact lenses when handling material. Wear appropriate personal protective Wash thoroughly after handling. Do not breath vapors. Avoid contact with eyes, skin and clothing. Avoid prolonged or repeated exposure. Wash contaminated clothing before reuse.

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