

**EMS CATALOG NO: 17950**  
**EMS PRODUCT: Lucifer Yellow**  
**DATE: 10/15/2008**  
**PAGE NUMBER: One of 3**

**MATERIAL SAFETY DATA SHEET**

The information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof.

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FOR PRODUCT AND SALES INFORMATION

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CONTACT ELECTRON MICROSCOPY SCIENCES OFFICE ABOVE.

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PRODUCT IDENTIFICATION

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PRODUCT NAME: **Lucifer Yellow**  
MOLECULAR FORM:  $C_{13}H_9LI_2N_{50}S_2$   
CAS #: 67769-47-5  
OSHA REGULATED COMPONENTS: No Hazardous Components

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HEALTH HAZARDS DATA

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HEALTH HAZARDS ACUTE/CHRONIC:

Harmful if ingested, inhaled, or absorbed through the skin. Causes eye and skin

irritation. To the best of our knowledge the chemical, physical, and toxicological properties have not been thoroughly investigated.

SIGNS AND SYMPTOMS OF EXPOSURE: No data available.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: No data available.

EMERGENCY/FIRST AID PROCEDURES:

In case of contact, wash skin with soap and copious amounts of water for at least 15 minutes.

In case of contact, flush eyes with copious amounts of water for at least 15 minutes.

If swallowed, wash out mouth with water provided person is conscious.

If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult give oxygen.

Wash contaminated clothing before reuse.

In all cases, call a physician immediately.

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FIRE AND EXPLOSION HAZARD DATA

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FLASH POINT:

FLAMMABILITY LIMITS: LEL: UEL:

EXTINGUISHING MEDIA: Water spray, carbon dioxide, dry chemical powder, alcohol or polymer foam.

SPECIAL FIRE FIGHTING PROCEDURES:

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Emits toxic fumes under fire conditions.

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PHYSICAL / CHEMICAL CHARACTERISTICS

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BOILING POINT:

VAPOR PRESSURE:

VAPOR DENSITY:

SOLUBILITY IN WATER:

SPECIFIC GRAVITY:

MELTING POINT:

EVAPORATION RATE:

APPEARANCE AND ODOR: Orange powder

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#### REACTIVITY DATA

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INCOMPATIBILITY: Strong oxidizing agents-moisture sensitive

#### HAZARDOUS DECOMPOSITION OR COMBUSTION PRODUCTS:

Toxic fumes of carbon monoxide, carbon dioxide, nitrogen oxides, sulfur oxides

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#### PROCEDURES FOR LEAKS AND/OR SPILLS

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##### STEPS TO BE TAKEN IN CASE OF A SPILL:

Wear respirator, chemical safety goggles, rubber boots and heavy rubber gloves.

Avoid raising dust.

Sweep up, place in a bag and hold for waste disposal.

Ventilate area and wash spill site after material pickup is complete.

##### PROCEDURE FOR WASTE DISPOSAL:

(OBSERVE ALL FEDERAL, STATE, LOCAL REGULATIONS)

Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

##### STORAGE AND HANDLING PRECAUTIONS:

Avoid breathing dust.

Avoid contact with eyes, skin and clothing.

Wash thoroughly after handling.

Keep container closed.

Hygroscopic.

Store in refrigerator at 0 to 5°C.

LABEL PRECAUTIONARY STATEMENTS: No data available.

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#### EMPLOYEE PERSONAL PROTECTION

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RESPIRATORY PROTECTION: NIOSH/MSHA-Approved respirator

VENTILATION: Mechanical exhaust required.

PROTECTIVE GLOVES: Chemical-resistant gloves

EYE PROTECTION: Chemical safety goggles

OTHER PROTECTIVE EQUIPMENT: Safety shower and eye bath. Protective clothing.