

EMS CATALOG NO: 10050
EMS PRODUCT: Acridine Orange
DATE: 10/01/2008
PAGE NUMBER: One of 4

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.

Electron Microscopy Sciences assumes no responsibility for personal injury or property damage to vendees, users or third parties caused by the material. Such vendees or users assume all risks associated with the use of the material.

ELECTRON MICROSCOPY SCIENCES

1560 INDUSTRY ROAD
P.O. BOX 550
HATFIELD, 19440
(215) 412-8400

24 HOUR EMERGENCY PHONE NUMBER
CHEMTREC: (800) 424-9300

FOR PRODUCT AND SALES INFORMATION

CONTACT ELECTRON MICROSCOPY SCIENCES OFFICE ABOVE.

PRODUCT IDENTIFICATION

PRODUCT NAME: **Acridine Orange, Biological Stain**

FORMULA: $C_{17}H_{19}N_3$

CAS #: 10127-02-3

EC #: 233-353-6

HAZARDS IDENTIFICATION

LABEL PRECAUTIONARY STATEMENTS:

Harmful.
Harmful by inhalation, in contact with skin and if swallowed.
Possible risk of irreversible effects.

CAUTION:

Avoid contact and inhalation.
Do not breath dust.
Wear suitable protective clothing.

FIRST AID MEASURES

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

In case of contact, immediately wash skin with soap and copious amounts of water.

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

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

CALL A PHYSICIAN

Wash contaminated clothing before reuse.

FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA:

Water Spray. Carbon Dioxide, dry chemical powder, or appropriate foam.

SPECIAL FIREFIGHTING PROCEDURES:

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

UNUSUAL FIRE AND EXPLOSIONS HAZARDS:

Emits toxic fumes under fire conditions.

ACCIDENTAL RELEASE MEASURES

Wear self-contained breathing apparatus, rubber boots and heavy rubber gloves. Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pick up is complete.

HANDLING AND STORAGE

Refer to section labeled EXPOSURE CONTROLS/PERSONAL PROTECTION.

EXPOSURE CONTROLS/PERSONAL PROTECTION

Wear appropriated NIOSH/MSHA-approved respirator, chemical-resistant gloves, safety goggles, other protective clothing.
Use only in a chemical fume hood.
Safety shower and eye bath.
Do not breathe dust.
Do not get in eyes, on skin, on clothing.
Avoid prolonged or repeated exposure.
Wash thoroughly after handling.
Possible mutagen.
Keep tightly closed. Hygroscopic.
Hygroscopic.
Store in a cool dry place.

PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: Brown Powder

STABILITY & REACTIVITY

INCOMPATIBILITIES: Strong oxidizing agents.
Protect from moisture.

HAZARDOUS COMBUSTION OR
DECOMPOSITION PRODUCTS: Thermal decomposition may produce carbon
monoxide, carbon dioxide, and nitrogen
oxides.
Hydrogen chloride gas.

TOXICOLOGICAL INFORMATION

ACUTE EFFECTS: Harmful if swallowed, inhaled, or absorbed through
skin.
May cause irritation.

CHRONIC EFFECTS: Laboratory experiments have shown mutagenic
effects. To the best of our knowledge, the
chemical, physical, and toxicological properties
have not been thoroughly investigated.

ECOLOGICAL INFORMATION

Data not yet available.

DISPOSAL CONSIDERATIONS

Dissolve or mix the material with a combustible solvent and burn
in a chemical incinerator equipped with an afterburner and
scrubber. Observe all Federal, State and local environmental
regulations.

REGULATORY INFORMATION

NOT A REGULATED CHEMICAL

EUROPEAN INFORMATION:

Harmful

R 20/21/22

Harmful by inhalation, in contact with skin and if swallowed.

R 40

Possible risk of irreversible effects.

S 22

Do not breathe dust.

S 36

Wear suitable protective clothing.