

LC-22350-1,2,7

MATERIAL SAFETY DATA SHEET
SAFRANIN, 1% AQUEOUS

#243

Cat # LC22350

page 1 of 2

SECTION I

LabChem Inc.
200 William Pitt Way
Pittsburgh, PA 15238

revised: 4/1/93
contact: Al Beranek
phone: (412)826-5230

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

NAME: SAFRANIN, 1% AQUEOUS

COMPONENTS:	CAS:	FORMULA/F.WT.
(1) safranin O, 1%	477-73-6	C ₂₀ H ₁₉ N ₄ Cl/350.85
(2) water, balance	7732-18-5	H ₂ O/18.00

CERCLA RATING (0-3): Health- Fire- Reactivity- Persistence-
(1) 3 U 0 3

NFPA RATING (0-4): Health- Fire- Reactivity-
(1) 3 U 0

SECTION III - PHYSICAL AND CHEMICAL CHARACTERISTICS

Boiling pt:	Melting pt:	Sp. gravity:	Evaporation rate:	Vapor press:	Vapor density:	pH:
>100C	<0C	1.0	n/a	n/a	n/a	neutral

Appearance/Odor: clear, orange solution/odorless.

Solubility: soluble in water.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash pt: n/a Explosion level-lower(LEL): n/a -upper(UEL): n/a Autoignition: n/a
Unknown fire and explosion hazard.

Extinguishing Media: dry chemical, carbon dioxide, water spray, foam.

Firefighting: use agents suitable for type in surrounding fire. Avoid breathing vapors.

SECTION V - REACTIVITY DATA

Stability: stable under normal temperatures and pressures.

Condition to Avoid: none reported.

Hazardous Decomposition/Byproducts: thermal decomposition may include toxic and corrosive fumes of chlorides and oxides of carbon and nitrogen.

Hazardous Polymerization: not known to occur.

SECTION VI - HEALTH HAZARD DATA

Toxicity: safranin O-- 1600mg/Kg oral-mouse LDLO; mutagenic data (RTECS)

Carcinogenicity: none reported.

Exposure Limits: no occupational exposure limits established by OSHA, NIOSH, ACGIH.

OSHA-PEL: n/a ACGIH-TWA: n/a -STEL: n/a TLV CEILING: n/a IDLH: n/a

Acute Health Hazards: safranin O-- may cause irritation to skin and eyes. Eye contact may be severe and cause burns.

Chronic Health Hazards: prolonged eye contact may cause conjunctivitis. No other data available.

First Aid:

Inhalation: remove from exposure area immediately. If breathing has stopped, give artificial respiration. Get medical aid at once.

Skin: remove contaminated clothing. Flush skin with large amounts of water for 15-20 minutes. Get medical aid at once.

Eyes: flush eyes with large amounts of water for 15-20 minutes. Get medical aid at once.

Ingestion: if vomiting occurs, keep head lower than hips to prevent aspiration. Get medical aid at once.

SECTION VII - PRECAUTION FOR SAFE HANDLING AND USE

Spills or Leaks: take up with inert material (vermiculite) and place in plastic bags for later disposal.

Disposal: dispose according to federal, state, and local regulations.

Storage and handling: store in cool dry area.

SECTION VIII - CONTROL MEASURES

Respiratory Protection: provide local exhaust ventilation. Firefighting-- any self-contained breathing apparatus with full facepiece operated in pressure demand mode.

Protective Clothing and Equipment: wear splash-proof safety goggles, proper gloves, protective clothing. An eye wash fountain should be available in the immediate work area.

Information in this MSDS is from available published sources and is believed to be accurate. No warranty, express or implied, is made and LabChem Inc. assumes no liability resulting from the use of this MSDS. The user must determine suitability of this information for his application.

[Note: n/a means "not applicable" or data "not available".]