

LC-10600-1,7

MATERIAL SAFETY DATA SHEET #220  
ALIZARIN RED S, 1% Aqueous

Cat # LC 10600

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SECTION I

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SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

NAME: ALIZARIN RED S, 1% Aqueous

COMPONENTS:	CAS:	FORMULA/F.WT.
(1) alizarin red s, 1%	130-22-3	C <sub>14</sub> H <sub>7</sub> NaO <sub>7</sub> S/342.25
(2) water, balance	7732-18-5	H <sub>2</sub> O/18.00

CERCLA RATING (0-3): Health-U Fire-0 Reactivity-0 Persistence-3  
NFPA RATING (0-4): Health-n/a Fire-n/a Reactivity-n/a

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	slightly acid

Appearance/Odor: dark amber solution/odorless.

Solubility: soluble in water

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash pt: Explosion level-lower(LEL): -upper(UEL): Autoignition:  
Negligible fire hazard when exposed to heat or flame

Extinguishing Media: dry chemical, carbon dioxide.

Firefighting: no acute hazard. Move container from fire area if possible.

SECTION V - REACTIVITY DATA

Stability: stable under normal temperatures and pressures.

Condition to Avoid: none reported.

Hazardous Decomposition/Byproducts: none known. Dry alizarin red S sublimes without change.

Hazardous Polymerization: not known to occur.

SECTION VI - HEALTH HAZARD DATA

Toxicity: toxicity of alizarin red S has not been quantified.

Carcinogenicity: none.

Exposure Limits: none established by OSHA, NIOSH, ACGIH

OSHA-PEL:      ACGIH-TWA:      -STEL:      TLV CEILING:      IDLH:      OTHER:

Acute Health Hazards: may cause irritation to eyes and skin.

Chronic Health Hazards: no 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 victim is conscious, give 2-4 glasses of water and induce vomiting. Get medical aid at once.

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#### SECTION VII - PRECAUTION FOR SAFE HANDLING AND USE

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

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

Storage and handling: store in cool, dry area.

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#### SECTION VIII - CONTROL MEASURES

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

Protective Clothing and Equipment: wear splash-proof goggles. Provide an eye wash fountain in work area.

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