

MSDS**Material Safety Data Sheet**

24 HOUR EMERGENCY
TELEPHONE NUMBER
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Eosin Y Stain Solution, 1% w/v in Ethanol

SECTION 1 PRODUCT IDENTIFICATION

NAME: Eosin Y Stain Solution, 1% w/v in Ethanol
 AZER SCIENTIFIC ORDER NUMBERS: ES709, ES710, ES711
 SYNONYMS: N/I
 CAS NO: Does not apply
 FORMULA: Does not apply
 DOT INFORMATION: Proper Shipping Name - "Ethanol Solutions" 3/UN1170/PGII

****LABEL HAZARD STATEMENT AND PRECAUTIONS****

WARNING! FLAMMABLE LIQUID AND VAPOR. HARMFUL IF INHALED. MAY BE HARMFUL IF SWALLOWED OR ABSORBED THROUGH SKIN. MAY CAUSE SKIN OR EYE IRRITATION. Keep away from heat sparks and flame. Keep container tightly closed. Avoid breathing vapor. Use only with adequate ventilation. Avoid contact with skin, eyes and clothing. Do not taste or swallow. Wash thoroughly after handling.

SECTION 2 HAZARDOUS INGREDIENTS / EXPOSURE LIMITS

INGREDIENT/CAS NO	OSHA PEL	ACGIH TLV
Eosin Y/17372-87-1	N/E	N/E
Ethyl Alcohol/64-17-5	1000 ppm TWA	1000 ppm TWA
Isopropyl Alcohol 67-63-0	400 ppm TWA	200 ppm TWA 400 ppm STEL
Methyl Alcohol/67-56-1	200 ppm TWA Skin	200 ppm TWA Skin 250 ppm STEL Skin

Methyl Alcohol, 5%, is subject to the reporting requirements of SARA 313 and 40CFR372.

SECTION 3 PHYSICAL / CHEMICAL CHARACTERISTICS

SOLUBILITY IN WATER: Miscible
 VAPOR PRESSURE (mm Hg): 40
 SPECIFIC GRAVITY: 0.79
 EVAPORATION RATE: 1.4
 APPEARANCE AND ODOR: Red cloudy liquid. Odor of alcohol.

BOILING POINT (C): 78
 VAPOR DENSITY: 1.6
 MELTING POINT (C): -114

SECTION 4 FIRE / EXPLOSION HAZARD DATA

NFPA RATINGS: (Estimated) HEALTH:1 FIRE:3 REACTIVITY:0
 FLASH POINT (C): 13
 AUTOIGNITION TEMPERATURE (C): 422
 FLAMMABLE LIMITS (%) UEL: 19 LEL: 3.3
 EXTINGUISHING MEDIA: Water spray, dry chemical, "alcohol" foam, CO₂. Water may be ineffective.

SPECIAL FIRE FIGHTING PROCEDURES: Firefighters should wear self-contained breathing apparatus with full facepiece operated in pressure-demand or other positive-pressure mode.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Vapor can flow to distant ignition sources and flash back.

SECTION 5 REACTIVITY DATA

STABILITY: Stable

CONDITIONS TO AVOID: Excessive heat and sunlight.

MATERIALS TO AVOID: N/E

HAZARDOUS DECOMPOSITION PRODUCTS: CO.

HAZARDOUS POLYMERIZATION: Does not occur.

SECTION 6 HEALTH HAZARD DATA

ROUTES OF ENTRY AND EFFECTS OF OVEREXPOSURE

INHALATION: Causes respiratory tract irritation. May cause drowsiness, loss of appetite, inability to concentrate.

SKIN CONTACT: May cause irritation and dehydration.

EYE CONTACT: May cause irritation.

SKIN ABSORPTION: N/I

INGESTION: May cause intoxication, headache, blindness.

CHRONIC: Causes drying of skin. May affect nervous system, liver.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Skin or eye disorders, impaired liver or kidney function.

CARCINOGENICITY: None

FIRST AID PROCEDURES

EYE CONTACT: Immediately flush with plenty of water for at least 15 minutes. Get medical attention.

SKIN CONTACT: Immediately flush with plenty of water for at least 15 minutes, while removing contaminated clothing and shoes. Get medical attention for persistent irritation.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

INGESTION: If conscious, induce vomiting immediately as directed by medical personnel.

SECTION 7 PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS SPILLED OR RELEASED: Ventilate area and remove sources of ignition. Absorb spill with inert material and containerize for disposal.

WASTE DISPOSAL METHOD: Dispose in accordance with all applicable federal, state, and local environmental regulations.

STORAGE: Store tightly closed in an approved flammable liquid storage area.

SECTION 8 CONTROL MEASURES

VENTILATION: Local preferred.

RESPIRATORY PROTECTION: Full facepiece respirator.

EYE PROTECTION: Chemical splash goggles and/or full face shield.

SKIN PROTECTION: Gloves, lab coat and impervious apron.

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