

M S D S***Material Safety Data Sheet***

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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

EKI ORDER NUMBER: 4131

SYNONYMS: N/I

CAS NO: Does not apply

FORMULA: Does not apply

REVISION DATE: 19 April 2004

****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
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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	BOILING POINT (C): 78
VAPOR PRESSURE (mm Hg): 40	VAPOR DENSITY: 1.6
SPECIFIC GRAVITY: 0.79	MELTING POINT (C): -114
EVAPORATION RATE: 1.4	
APPEARANCE AND ODOR: Red cloudy liquid. Odor of alcohol.	

SECTION 4 FIRE / EXPLOSION HAZARD DATA

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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