

MSDS

Material Safety Data Sheet



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Toluidine Blue Stain Solution, 1% w/v in 20% Ethanol

SECTION 1 PRODUCT IDENTIFICATION

NAME: Toluidine Blue Stain Solution, 1% w/v in 20% Ethanol
EKI ORDER NUMBERS: 14947
SYNONYMS: N/I
CAS NO: Does not apply
FORMULA: Does not apply
REVISION DATE: 4 January, 2005

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

CAUTION! MAY BE HARMFUL IF SWALLOWED, INHALED OR ABSORBED THROUGH SKIN. MAY CAUSE IRRITATION. Avoid contact with skin, eyes, and clothing. Avoid breathing vapor or mist. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling.

SECTION 2 HAZARDOUS INGREDIENTS / EXPOSURE LIMITS

INGREDIENT/CAS NO	OSHA PEL	ACGIH TLV
Toluidine Blue 0/92-31-9	N/E	N/E
Ethyl Alcohol/64-17-5	1000ppm TWA	1000ppm TWA

SECTION 3 PHYSICAL / CHEMICAL CHARACTERISTICS

SOLUBILITY IN WATER: Miscible
VAPOR PRESSURE (mm Hg): N/E
SPECIFIC GRAVITY: N/E
EVAPORATION RATE: N/E
BOILING POINT (C): N/E
VAPOR DENSITY: N/E
MELTING POINT (C): N/E
APPEARANCE AND ODOR: Clear blue liquid. Faint odor of ethyl alcohol.

SECTION 4 FIRE / EXPLOSION HAZARD DATA

FLASH POINT (C): 105
AUTOIGNITION TEMPERATURE (C): Does not apply.
FLAMMABLE LIMITS (%) UEL: Does not apply LEL: Does not apply
EXTINGUISHING MEDIA: Suitable for surrounding fire.
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: N/I

SECTION 5 REACTIVITY DATA

STABILITY: Stable
CONDITIONS TO AVOID: Excessive heat
MATERIALS TO AVOID: Strong oxidizers
HAZARDOUS DECOMPOSITION PRODUCTS: N/I
HAZARDOUS POLYMERIZATION: Does not occur.

SECTION 6 HEALTH HAZARD DATA

ROUTES OF ENTRY AND EFFECTS OF OVEREXPOSURE:
INHALATION: May cause respiratory tract irritation.
SKIN CONTACT: May cause irritation.
EYE CONTACT: May cause irritation.
SKIN ABSORPTION: May have systemic ethanol effects.
INGESTION: May cause G.I. irritation. Ethanol intoxication.
CHRONIC: N/I
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Skin disorders.
CARCINOGENICITY: None.

****FIRST AID PROCEDURES****

EYE CONTACT: Immediately flush with plenty of water for at least 15 minutes. Get medical attention for persistent irritation.
SKIN CONTACT: Immediately wash with plenty of soap and water.
INHALATION: Remove to fresh air. Get medical attention for any breathing difficulty.
INGESTION: If conscious, give several glasses of water to drink. Get medical attention.

SECTION 7 PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS SPILLED OR RELEASED: Absorb 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 at 15-50°C, out of direct sunlight.

SECTION 8 CONTROL MEASURES

VENTILATION: General
RESPIRATORY PROTECTION: Dust/mist respirator, if required.
EYE PROTECTION: Chemical splash safety goggles and/or full face shield.
SKIN PROTECTION: Gloves, lab coat and impervious apron:

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