

MSDS

Material Safety Data Sheet



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Bouin's Fixative

SECTION 1 PRODUCT IDENTIFICATION

NAME: Bouin's Fixative
EKI ORDER NUMBER: 2277
SYNONYMS: N/I
CAS NO: Does not apply
FORMULA: Does not apply
REVISION DATE: 12 April 2004

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

WARNING! CAUSES IRRITATION. HARMFUL IF SWALLOWED OR INHALED. RISK OF CANCER. CONTAINS FORMALDEHYDE, WHICH MAY CAUSE CANCER. Risk of cancer depends on duration and level of exposure. Avoid contact with skin, eyes and clothing. Avoid breathing vapor or mist. Keep container tightly closed. Use only with adequate ventilation. Wash thoroughly after handling.

SECTION 2 HAZARDOUS INGREDIENTS / EXPOSURE LIMITS

INGREDIENT/CAS NO	OSHA PEL	ACGIH TLV	%
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Picric Acid/88-89-1	0.1 mg/m3 TWA Skin	0.1 mg/m3 TWA	1
Formaldehyde/50-00-0	0.75 ppm TWA 2 ppm STEL	0.3 ppm TWA	25
Methyl Alcohol/67-56-1	200 ppm STEL	200 ppm TWA Skin 250 ppm STEL Skin	2
All above ingredients are subject to the reporting requirements of SARA 313 and 40CFR372.			
Acetic Acid/64-19-7	10 ppm TWA	10 ppm TWA 15 ppm STEL	5

SECTION 3 PHYSICAL / CHEMICAL CHARACTERISTICS

SOLUBILITY IN WATER: Miscible	BOILING POINT (C): N/I
VAPOR PRESSURE (mm Hg): N/I	VAPOR DENSITY: N/I
SPECIFIC GRAVITY: N/I	MELTING POINT (C): N/I
EVAPORATION RATE: N/I	
APPEARANCE AND ODOR: Clear yellow liquid. Strong characteristic odor	

SECTION 4 FIRE / EXPLOSION HAZARD DATA

FLASH POINT (C): Not combustible.
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: N/I

HAZARDOUS DECOMPOSITION PRODUCTS: Formaldehyde gas

HAZARDOUS POLYMERIZATION: Does not occur.

SECTION 6 HEALTH HAZARD DATA

ROUTES OF ENTRY AND EFFECTS OF OVEREXPOSURE

INHALATION: Causes severe irritation of nose and respiratory tract.

SKIN CONTACT: Causes irritation and staining.

EYE CONTACT: Causes burns. May cause permanent damage.

SKIN ABSORPTION: N/I

INGESTION: Harmful if swallowed. Causes irritation to mouth and digestive tract.

CHRONIC: N/I

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Skin and respiratory disorders.

CARCINOGENICITY: Formaldehyde is an NTP Anticipated Carcinogen.

****FIRST AID PROCEDURES****

GET MEDICAL ATTENTION IMMEDIATELY

EYE CONTACT: Immediately flush with plenty of water for at least 15 minutes, separating eyelids occasionally.

SKIN CONTACT: Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.

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

INGESTION: If conscious, give large quantities of water to drink and induce vomiting 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. 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 in a cool place.

SECTION 8 CONTROL MEASURES

VENTILATION: Local preferred.

RESPIRATORY PROTECTION: Formaldehyde cartridge respirator with full face piece.

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

SKIN PROTECTION: Gloves, lab coat and impervious apron.

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