

M S D S

Material Safety Data Sheet



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24 HOUR EMERGENCY
TELEPHONE NUMBER
**CALL CHEMTREC
1-800-424-9300**

10% Formalin Fixative, Neutral, Phosphate Buffered

NAME: 10% Formalin Fixative, Neutral, Phosphate Buffered
EKI PRODUCT CODES: 4499, 24499, 34499
SYNONYMS: Buf-Form™, NBF
CAS NO: Does not apply.
FORMULA: Does not apply.
REVISION DATE: 4 April 2007

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

WARNING. HARMFUL IF SWALLOWED OR INHALED. CAUSES IRRITATION. MAY CAUSE ALLERGIC SKIN REACTION. SUSPECT CANCER HAZARD. MAY CAUSE CANCER. Avoid contact with skin, eyes and clothing. Avoid breathing vapor. 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	%
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Formaldehyde/50-00-0	0.75 ppm TWA 2 ppm STEL	0.3 ppm CEIL	~4.0
Methanol/67-56-1	200 ppm TWA	200 ppm TWA Skin 250 ppm STEL Skin	~1.0

Formaldehyde and Methanol are subject to the reporting requirements of SARA 313 and 40CFR372.

SECTION 3 PHYSICAL PROPERTIES

SOLUBILITY IN WATER: Miscible
VAPOR PRESSURE (mm Hg): N/E
SPECIFIC GRAVITY: N/E
EVAPORATION RATE: N/E
APPEARANCE AND ODOR: Clear colorless liquid. Slight formaldehyde odor.

BOILING POINT (C): N/E
VAPOR DENSITY: N/E
MELTING POINT (C): N/E

SECTION 4 FIRE / EXPLOSION HAZARD DATA

FLASH POINT (C): 85C
AUTOIGNITION TEMPERATURE (C): N/E
FLAMMABLE LIMITS (%): N/E
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 above 10 C
CONDITIONS TO AVOID: Low temperatures.
MATERIALS TO AVOID: Oxidizers, alkalis.
HAZARDOUS DECOMPOSITION PRODUCTS: CO, CO₂, Formaldehyde.
HAZARDOUS POLYMERIZATION: Does not occur.

SECTION 6 HEALTH HAZARD DATA

ROUTES OF ENTRY AND EFFECTS OF OVEREXPOSURE:
INHALATION: Causes irritation of respiratory tract.
SKIN CONTACT: Causes irritation.
EYE CONTACT: Causes irritation.
SKIN ABSORPTION: N/I
INGESTION: Causes G.I. disturbances.
CHRONIC: May cause allergic skin reaction.
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Skin or eye disorders.
CARCINOGENICITY: NTP-R: Reasonably Anticipated To Be A Human Carcinogen. IARC-1: Carcinogenic To Humans. OSHA-Ca: Carcinogen defined with no further characterization.

FIRST AID PROCEDURES

EYE CONTACT: Immediately flush with plenty of water for at least 15 minutes, separating eyelids occasionally. Get immediate 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. Get medical attention for any breathing difficulty.
INGESTION: DO NOT INDUCE VOMITING. If conscious, give several glasses of water to drink. Get immediate medical attention.

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 above 10 C (50 F).

SECTION 8 CONTROL MEASURES

VENTILATION: Local preferred.
RESPIRATORY PROTECTION: If required, approved full facepiece respirator with formaldehyde cartridge.
EYE PROTECTION: Chemical splash safety goggles and/or full face shield.
SKIN PROTECTION: Gloves, lab coat and impervious apron.

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