

MSDS

Material Safety Data Sheet



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Davidson's Fixative

SECTION 1 PRODUCT IDENTIFICATION

NAME: Davidson's Fixative
EKI ORDER NUMBER: 3600
SYNONYMS: N/I
CAS NO: Does not apply
FORMULA: Does not apply
REVISION DATE: 14 July 2005

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

WARNING! FLAMMABLE LIQUID AND VAPOR. HARMFUL IF INHALED. CAUSES SEVERE IRRITATION. HARMFUL IF SWALLOWED, INHALED OR ABSORBED THROUGH SKIN. SUSPECT CANCER HAZARD. CONTAINS FORMALDEHYDE, WHICH MAY CAUSE CANCER. Keep away from heat, sparks and flame. 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 -----
Formaldehyde 37%/50-00-0	0.75 ppm TWA 2 ppm STEL	0.3 ppm CEIL
Ethanol/64-17-5	1000 ppm TWA	1000 ppm TWA
Isopropanol/67-63-0	400 ppm TWA	200 ppm TWA 400 ppm STEL
Methyl Alcohol/67-56-1	200 ppm TWA	200 ppm TWA 250 ppm STEL
Acetic Acid	10 ppm TWA	10 ppm TWA 15 ppm STEL

Formaldehyde, ~23% and Methyl Alcohol, ~1.7% are subject to the reporting requirements of SARA 313 and 40CFR372.

SECTION 3 PHYSICAL / CHEMICAL CHARACTERISTICS

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

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

SECTION 4 FIRE / EXPLOSION HAZARD DATA

FLASH POINT (C): N/E
AUTOIGNITION TEMPERATURE (C): N/E
FLAMMABLE LIMITS (%) UEL: N/E LEL: N/E

EXTINGUISHING MEDIA: Dry chemical, CO₂, "alcohol foam."

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

UNUSUAL FIRE AND EXPLOSION HAZARDS: Vapor can flow to distant ignition sources and flash back. May produce toxic vapor mixtures

SECTION 5 REACTIVITY DATA

STABILITY: Stable

CONDITIONS TO AVOID: Low temperature, excessive heat, sources of ignition.

MATERIALS TO AVOID: Strong oxidizers

HAZARDOUS DECOMPOSITION PRODUCTS: CO, CO₂, Formaldehyde. Unknown mixtures may be generated

HAZARDOUS POLYMERIZATION: Does not occur.

SECTION 6 HEALTH HAZARD DATA

ROUTES OF ENTRY AND EFFECTS OF OVEREXPOSURE

INHALATION: Causes respiratory tract irritation. May cause CNS depression.

SKIN CONTACT: Causes severe irritation.

EYE CONTACT: Causes severe irritation. May cause permanent damage.

SKIN ABSORPTION: See under Inhalation.

INGESTION: Causes severe G.I. irritation. May cause intoxication.

CHRONIC: May cause allergic skin reaction or other allergic reaction. May cause cancer.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Skin or eye disorders.

CARCINOGENICITY: FORMALDEHYDE- NTP-R: Reasonably expected to be a human carcinogen.

IARC-2A: Probably carcinogenic to humans.

****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 immediate medical attention for persistent irritation.

INHALATION: Remove to fresh air. Get medical attention for any breathing difficulty.

INGESTION: If conscious, give large amounts 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 and eliminate sources of ignition. 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 approved Flammable Liquids storage area.

SECTION 8 CONTROL MEASURES

VENTILATION: Local preferred.

RESPIRATORY PROTECTION: If necessary, approved ACID GAS/ORGANIC VAPOR respirator.

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

SKIN PROTECTION: Gloves, lab coat and impervious apron.

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