

M S D S

Material Safety Data Sheet



1403 Herkimer Street
Joliet, IL 60432-1059
(877) EKI-CHEM
(815) 723-4000

www.eki-chem.com

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

Formaldehyde, 37%

SECTION 1 PRODUCT IDENTIFICATION

NAME: Formaldehyde, 37%
EKI PRODUCT CODE: 4422, 4424
SYNONYMS: N/A
CAS NO: 50-0-0
FORMULA: HCHO
REVISION DATE: 4 August 2006

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

DANGER. CAUSES EYE BURNS. HARMFUL IF SWALLOWED, INHALED OR ABSORBED THROUGH SKIN. CAUSES SKIN AND RESPIRATORY TRACT IRRITATION. MAY CAUSE ALLERGIC SKIN REACTION. COMBUSTIBLE LIQUID AND VAPOR. SUSPECT CANCER HAZARD. MAY CAUSE CANCER. Do not get in eyes, on skin, on clothing. Do not breathe vapor. Keep away from heat and flame. 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/50-00-0	0.75 ppm TWA 2 ppm STEL	0.3 ppm CEIL
Methyl Alcohol/67-56-1	200 ppm TWA	200 ppm TWA Skin 250 ppm STEL Skin

Formaldehyde, 37%, and Methyl Alcohol, 11%, are subject to the reporting requirements of SARA313 and 40CFR372.

SECTION 3 PHYSICAL / CHEMICAL CHARACTERISTICS

SOLUBILITY IN WATER: Miscible	BOILING POINT (C): 96
VAPOR PRESSURE (mm Hg): 1.3	VAPOR DENSITY: 1.04
SPECIFIC GRAVITY: 1.08	MELTING POINT (C): -15
EVAPORATION RATE: N/I	
APPEARANCE AND ODOR: Clear, colorless liquid, characteristic odor of formaldehyde.	

SECTION 4 FIRE / EXPLOSION HAZARD DATA

FLASH POINT (C): 62
AUTOIGNITION TEMPERATURE (C): 300
FLAMMABLE LIMITS (%) UEL: 70 LEL: 7
EXTINGUISHING MEDIA: Water spray, dry chemical, "alcohol" foam, CO₂.

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: Above flash point, vapor-air mixtures are explosive.

SECTION 5 REACTIVITY DATA

STABILITY: Stable

CONDITIONS TO AVOID: Excessive heat, temperatures below 50F, sources of ignition.

MATERIALS TO AVOID: Oxidizers, bases.

HAZARDOUS DECOMPOSITION PRODUCTS: CO, CO₂, Formaldehyde gas.

HAZARDOUS POLYMERIZATION: Does not occur.

SECTION 6 HEALTH HAZARD DATA

ROUTES OF ENTRY AND EFFECTS OF OVEREXPOSURE

INHALATION: Causes respiratory tract irritation.

SKIN CONTACT: Causes irritation.

EYE CONTACT: Causes burns.

SKIN ABSORPTION: See ingestion.

INGESTION: Causes severe G.I. disturbances. Large quantities may be fatal.

CHRONIC: May cause allergic skin reaction or dermatitis.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Skin or eye disorders, impaired liver, kidney or respiratory function.

CARCINOGENICITY: NTP-R: Reasonably anticipated to be carcinogenic to humans. IARC-1: Carcinogenic to humans.

****FIRST AID PROCEDURES****

START FIRST AID AND GET IMMEDIATE MEDICAL ATTENTION.

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

SKIN CONTACT: Immediately flush with plenty water for at least 15 minutes while removing contaminated garments.

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

INGESTION: DO NOT INDUCE VOMITING. If conscious, give large quantities of water to drink.

SECTION 7 PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS SPILLED OR RELEASED: Eliminate ignition sources and 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 at 15-30C.

SECTION 8 CONTROL MEASURES

VENTILATION: Local

RESPIRATORY PROTECTION: If necessary, approved Formaldehyde respirator.

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

SKIN PROTECTION: Gloves, lab coat and impervious apron.

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