

BACHARACH, INC. MSDS

LC UNIVERSAL TEST MIX

MSDS NO: 4993-7166

Court of Appeals. These PELs are those now being enforced by Federal OSHA. Be aware that more restrictive exposure limits may be enforced by some states, agencies or other authorities. The enforced PEL may not be adequate to ensure worker safety, so Bacharach, Inc. recommends that the lowest recommended exposure limit always be observed as reasonable worker protection.

SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

Colorless liquid with characteristic alcohol odor. Highly Flammable! May cause eye and skin irritation. May be absorbed through the skin in toxic amounts. Toxic by inhalation and if swallowed.

ACUTE HEALTH HAZARDS:

EYE CONTACT: May cause irritation with possible corneal opacity.

SKIN CONTACT: May cause mild irritation. Methanol is absorbed through the skin and may cause symptoms described under inhalation and ingestion.

INHALATION: Overexposure to vapors may cause central nervous system effects including dizziness, nausea, narcosis, visual impairment and even blindness due to the effects of methanol on the optic nerve.

INGESTION: Methanol is very toxic by ingestion and may cause blindness and death.

CHRONIC HEALTH EFFECTS: Prolonged or repeated skin contact may cause dermatitis and toxic effects like inhalation from absorption. Chronic overexposure to methanol may cause visual impairment, liver and kidney damage.

CARCINOGEN STATUS: None of the components is listed as a carcinogen or suspected carcinogen by IARC, NTP or OSHA, however, anthracene is a common component of coal tar pitch volatiles, which are regulated as carcinogens by OSHA.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Pre-existing skin, liver and kidney diseases may be aggravated.

SEE SECTION 11 - TOXICOLOGICAL INFORMATION FOR ADDITIONAL DATA

SECTION 4: FIRST AID

EYE CONTACT: Flush thoroughly with copious amounts of running water for 15 minutes. Get medical attention if irritation develops.

SKIN CONTACT: Wash well with soap and water, remove contaminated clothing and launder before re-use. Get medical attention if irritation or symptoms develop.

INHALATION: Remove victim to fresh air, give artificial respiration if needed. Get

N/D=Not Determined

2

N/A=Not Applicable

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immediate medical attention.

INGESTION: Do not give anything by mouth to anyone who is unconscious or convulsing. Give 3-4 glasses of water or milk to drink then induce vomiting. Get immediate medical attention.
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SECTION 5: FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: 60.8F (12C) (methanol) TEST METHOD: CC
AUTOIGNITION TEMPERATURE: 725F(385C)(methanol)

FLAMMABLE LIMITS: LEL: 6% (methanol) UEL: 36.5% (methanol)

EXTINGUISHING MEDIA: Use water fog, foam, halon, carbon dioxide or dry chemical. Cool exposed containers with water.

SPECIAL FIRE FIGHTING PROCEDURES: Firefighters should wear NIOSH approved positive pressure self contained breathing apparatus and full protective clothing. Use shielding to protect against shattering of glass ampoules.

UNUSUAL FIRE AND EXPLOSION HAZARDS: This liquid is flammable, however, only a very small amount is present in each ampoule. The glass ampoules will shatter when exposed to high temperatures.

HAZARDOUS COMBUSTION PRODUCTS: Carbon dioxide, carbon monoxide, hydrocarbon fragments.
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SECTION 6: ACCIDENTAL RELEASE MEASURES

Remove all sources of ignition. Wear protective clothing as needed. Contain spill and collect with absorbent towels or other material. Place in closable container for disposal.
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SECTION 7: HANDLING AND STORAGE

WORK PRACTICES: Prevent contact with the eyes, skin or clothing. Avoid breathing vapors. Wash hands thoroughly with soap and water after handling. Do not eat, drink or smoke in the work area.

SPECIAL PRECAUTIONS: Keep away from excessive heat and sources of ignition. Glass ampoules will shatter if exposed to high temperatures.

STORAGE: Store in a cool, well-ventilated area, away from oxidizers, excessive heat and sources of ignition.
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SECTION 11: TOXICOLOGICAL INFORMATION

ACUTE TOXICITY DATA: The acute oral LD50 for methanol is reported to be 5628 mg/kg rat. The inhalation LC50 is 64,000 ppm/4hr rat.

IRRITANCY DATA: This material is an irritant to the eyes and skin.

SENSITIZATION: Anthracene has been reported to cause sensitization in laboratory animals.

REPRODUCTIVE TOXICITY: Methanol and toluene have been reported to cause reproductive toxicity in laboratory animals.

TERATOGENICITY: Methanol and toluene have been reported to cause teratogenic effects in laboratory animals.

MUTAGENICITY: Methanol is mutagenic in some test systems.

SYNERGISTIC EFFECTS: Simultaneous exposure to other solvents may increase the toxic effect of this material.

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SECTION 12: ECOLOGICAL INFORMATION

The ecological effects of this product have not been evaluated.

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SECTION 13: DISPOSAL

Dispose in accordance with all local, state and federal regulations.

RCRA HAZARDOUS WASTE CODES: D001

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SECTION 14: TRANSPORTATION DATA

US DOT SHIPPING NAME: METHANOL SOLUTION, 3, UN 1230, PG II

DOT LABELS REQUIRED: FLAMMABLE LIQUID, POISON

EMERGENCY RESPONSE GUIDE NUMBER: 131

IATA SHIPPING NAME: METHANOL SOLUTION (METHYL ALCOHOL SOLUTION), 3, UN 1230, PG II

IATA LABELS REQUIRED: FLAMMABLE LIQUID & POISON (CARGO AIRCRAFT 1-10 LITERS)

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SECTION 15: OTHER REGULATORY INFORMATION

SARA 311/312: Hazard Categories for SARA Section 311/312 Reporting:

Acute health, chronic health, fire hazard.

SARA 313: This product contains the following chemicals subject to Annual Release

N/D=Not Determined

5

N/A=Not Applicable

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Reporting Requirements under SARA Section 313 (40 CFR 372):

Methanol >89%
Ethyl Benzene 0.2%
Toluene 0.2%
Isopropyl Benzene (Cumene) 0.2%
Isopropyl Benzene (Cumene) 0.2%

CERCLA SECTION 103 REPORTABLE QUANTITY: 5,600 lbs. (Methanol - 5000 lbs)

CALIFORNIA PROPOSITION 65: This product contains the following substances known to the State of California to cause Cancer and/or Reproductive Harm: Toluene 0.2%

US TOXIC SUBSTANCES CONTROL ACT: All of the components of this product are listed on the EPA TSCA Inventory.

EUROPEAN INVENTORY OF COMMERCIAL CHEMICAL SUBSTANCES: All of the components of this product are listed on the EINECS Inventory.

JAPAN MITI: All of the components of this product are existing chemical substances as defined in the Chemical Substance Control Law.

CANADIAN ENVIRONMENTAL PROTECTION ACT: All of the components of this product are listed on the Canadian Domestic Substances List.

CANADIAN WHMIS CLASSIFICATION: Class B2 - Flammable Liquid; Class D - Division 2B (Toxic Material Causing other Chronic Effects)

EUROPEAN COMMUNITY LABELING CLASSIFICATION: Highly Flammable, Toxic

EUROPEAN COMMUNITY RISK AND SAFETY PHRASES: R11, R23/25, S16, S24/25, S33, S29, S37, S7, S45

SECTION 16: OTHER INFORMATION

NFPA HAZARD RATING: HEALTH: 2 FIRE: 3 REACTIVITY: 0

DATE OF LATEST MSDS REVISION: 03-12-97

REVISION SUMMARY: Revised Transportation (ERG#), Section 14, Revised Section 15, R&S Phrases.

The preceding information is believed to be correct and current as of the date of preparation of this Material Safety Data Sheet. Since the use of this information and the conditions of use of the product are not within the control of Bacharach, Inc., it is the users obligation to assure safe use of this product.