

MATERIAL SAFETY DATA SHEET

Alltech Associates, Inc.
2051 Waukegan Road * Deerfield, IL 60015
Tel: 847-948-8600 * Fax: 847-948-1078



In case of emergency, call CHEMTREC at 1-800-424-9300

STOCK NO: 82-005048-02.doc

Page 1 of 4

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REVISION DATE: 5/11/90

SECTION I: SUBSTANCE IDENTIFICATION

CHEMICAL NAME: Not applicable
SYNONYMS: None
TRADE NAME: ECD Test Mix
FORMULA: Not applicable
FORMULA WEIGHT: Not applicable
CAS #: None
RTECS NUMBER: None

SECTION II: HAZARDOUS INGREDIENTS

Composition	Conc	Percent	CAS #
Lindane	33.0pg/ul	<0.01	58-89-9
Aldrin	33.0pg/ul	<0.01	309-00-2
Isooctane	solvent	99.99	540-84-1

California State Proposition 65: This product contains a chemical known to the State of California to cause cancer, birth defects, or other reproductive harm.

SECTION III: PHYSICAL DATA

MELTING POINT: -161 F (-107 C) [isooctane]
BOILING POINT: 211 F (99 C) [isooctane]
VAPOR DENSITY (air=1): 3.9 [isooctane]
SOLUBILITY IN WATER: Insoluble
SPECIFIC GRAVITY (water=1): 0.69 [isooctane]
PERCENT VOLATILE BY VOLUME: 99.9%
EVAPORATION RATE (ether = 1): <1
APPEARANCE AND ODOR: Clear, colorless liquid with odor of gasoline.

SECTION IV: FIRE AND EXPLOSION DATA

FLASH POINT (Method Used): 10 F (-12 C)(closed cup)
FLAMMABILITY LIMITS: UPPER 6.0% LOWER 1.1%
EXTINGUISHING MEDIA: Dry chemical, carbon dioxide, halon, water spray, or standard foam.
SPECIAL FIRE FIGHTING PROCEDURE: None
UNUSUAL FIRE AND EXPLOSION HAZARDS: None

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Page 2 of 4

SECTION V: HEALTH HAZARD DATA

CARCINOGEN STATUS: None.

LOCAL EFFECTS: Irritant-inhalation, skin, eyes.

ACUTE TOXICITY LEVEL: No data available.

TARGET EFFECTS: Central nervous system depressant.

AT INCREASED RISK FROM EXPOSURE: Not data available.

STOCK NO: 82-005048-02

INHALATION: Irritant/Narcotic

ACUTE EXPOSURE – May cause pulmonary irritation. High concentrations may cause dizziness, lack of coordination, nausea, narcosis and other central nervous system effects. In mice, exposed to 16,000 ppm for 5 minutes, there was sensory irritation and one of four mice died; at 32,000 ppm, effects included irritation and irregular respiration, and all four mice died within 4 minutes.

CHRONIC EXPOSURE: Repeated or prolonged exposure to paraffin hydrocarbons may cause polyneuropathy.

FIRST AID – Remove from exposure area to fresh air immediately. If breathing has stopped, perform artificial respiration. Keep person warm and at rest. Treat person symptomatically and supportively. Get medical attention immediately.

SKIN CONTACT: Irritant

ACUTE EXPOSURE – May cause irritation.

CHRONIC EXPOSURE – Repeated or prolonged exposure to irritants may cause dermatitis.

FIRST AID – Remove contaminated clothing and shoes immediately. Wash affected area with soap or mild detergent and large amounts of water until no evidence of chemical remains (approximately 15-20 minutes). Get medical attention immediately.

EYE CONTACT: Irritant

ACUTE EXPOSURE – May cause irritation.

CHRONIC EXPOSURE – Repeated or prolonged exposure to irritants may cause conjunctivitis.

FIRST AID – Wash eyes immediately with large amounts of water or normal saline, occasionally lifting upper and lower lids, until no evidence of chemical remains (approximately 15-20 minutes). Get medical attention immediately.

INGESTION: Narcotic

ACUTE EXPOSURE – May cause central nervous system effects with symptoms of nausea, dizziness, lack of coordination and narcosis. Aspiration into the lungs, with some alkanes, may cause chemical pneumonitis, pulmonary edema and hemorrhaging. Octane isomers appear to cause pulmonary lesions if aspirated into lungs of rats. In animal studies, aspiration of C6-C8 hydrocarbons resulted in almost immediate death due to respiratory paralysis, asphyxia and cardiac arrest.

CHRONIC EXPOSURE – No data available.

FIRST AID – Treat person symptomatically and supportively. Get medical attention and advice on whether to use gastric lavage. Extreme care must be taken to prevent aspiration. A cuffed endotracheal tube used by qualified medical personnel might be advisable. Keep head lower than hips to prevent aspiration should vomiting occur.

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Page 3 of 4

ANTIDOTE – No specific antidote. Treat person symptomatically and supportively.

SECTION VI: REACTIVITY DATA

STABILITY: Stable under normal temperatures and pressures in a closed container.

CONDITIONS TO AVOID: High temperatures.

INCOMPATIBILITY (Materials to avoid): Oxidizers and reducing agents.

HAZARDOUS DECOMPOSITION PRODUCTS: Toxic oxides of carbon.

HAZARDOUS POLYMERIZATION: Has not been reported under normal temperatures and pressures.

CONDITIONS TO AVOID: Avoid contact with heat, sparks, flames or other sources of ignition. Vapors may be explosive; avoid overheating of containers.

STOCK NO: 82-005048-02

SECTION VII: SPILL AND LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Shut off ignition sources. Stop leak if you can do it without risk. Take up with sand or other absorbent material and place into container for later disposal.

WASTE DISPOSAL METHOD: EPA Hazardous Waste Number D001. Dispose of as an EPA hazardous waste.

SECTION VIII: SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify Type): For large amounts use self-contained breathing apparatus with full faceplate operated in pressure-demand mode.

VENTILATION:

LOCAL EXHAUST: Yes MECHANICAL(General): Yes

PROTECTIVE GLOVES: Impervious to hydrocarbons

EYE PROTECTION: Splash-proof safety goggles.

OTHER PROTECTIVE EQUIPMENT: Emergency eye wash

SECTION IX: SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Protect from temperature extremes and direct sunlight. Should be stored in an acceptably protected and secure flammable liquid storage room.

OTHER PRECAUTIONS: Emergency eye wash fountains and safety showers should be available in the vicinity of any potential exposure. Ground and bond metal containers to minimize static sparks.

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Page 4 of 4

SECTION X: OTHER INFORMATION

NOTICE: The information contained in the MSDS description is applicable exclusively to the chemical substances identified herein and for its intended use as an analytical reference standard or reagent and to the unit quantity intended for that purpose. The information does not relate to, and may not be appropriate for, any application or larger quantity of the substance described. Our products are intended for the use by individuals possessing sufficient technical skill and qualification to use the material with suitable discretion and understanding of risk of handling any potential hazardous chemical. The information has been obtained from sources believed to be reliable and accurate but has not been independently verified by Alltech Associates, Inc. Accordingly, **NO REPRESENTATION OR WARRANTY, EXPRESS OR IMPLIED, WITH RESPECT TO MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE** is made with respect to the information contained herein.

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