

Material Safety Data Sheet

Prepared April 25, 2023

Section 1 Product and Supplier Information

	Emergency Phone Numbers: 1-800-424-9300 Chemtrec (North America) emergency number
Chemtica USA 2912 Enterprise Blvd. Durant, Oklahoma 74701	1-703-527-3887 Chemtrec(International) emergency number
	580-380-4666 Chemtica USA

SECTION 1 PRODUCT DESCRIPTION

PRODUCT NAME: Moth Block

Mating disruption dispenser for *Plodia*, *Cadra* and *Ephestia* species. This product consists of a plastic membrane sachet containing 750 mg Z9,E12-14:Ac absorbed in natural fiber. The product is ready to use, do not need to puncture. The product is packed five units in aluminum foil pouch. This product is for use in grain storage and dry food storage facilities.

SECTION 2 HAZARDS IDENTIFICATION

HMIS HAZARD CLASSIFICATIONS

HEALTH = 1 FLAMMABILITY = 1 REACTIVITY = 0 PROTECTION = B

LABEL PRECAUTIONARY STATEMENTS

U.S. HAZARD LABELING

May be irritating to skin and eyes.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENT

NAME: 9Z, 12E-Tetradecadien-1-yl acetate
CAS #: 30507-70-1
MF: C₁₆H₂₈O₂
SYNONYM(S)
9,12-Tetradecadien-1-ol, acetate, (9Z,12E)-
(Z9,E12) 9,12-TETRADECADIEN-1-OL ACETATE

IMM pheromone
Z,E-9,12-Tetradecadienyl Acetate
cis,trans-9,12-Tetradecadien-1-yl acetate
z,e-9,12-Tetradecadien-1-yl acetate

ADDITIONAL INFORMATION Some formulations contain a-tocopherol (vitamin E) as antioxidant

SECTION 4 FIRST AID MEASURES

INHALATION EXPOSURE: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth to mouth, if possible. Call poison control center or doctor for treatment advice.

EYE CONTACT: Hold the eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present after 5 minutes, then continue rinsing eye. Call poison control center or doctor for treatment advice.

SKIN OR CLOTHING CONTACT: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 – 20 minutes. Call poison control center or doctor for treatment advice.

INGESTION: Administer water and call a physician or poison control center immediately. Do not induce vomiting.

SECTION 5 FIRE AND EXPLOSION HAZARDS

EXTINGUISHING MEDIA

CO₂, FOAM, DRY CHEMICAL

SPECIAL FIRE FIGHTING PROCEDURES

Use standard fire fighting procedures.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

None.

SECTION 6 ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED

Standard absorbents can be used.

WASTE DISPOSAL METHOD: Incineration or sanitary landfill in accordance with local, state, and federal regulations.

SECTION 7 HANDLING AND STORAGE

HANDLING

Observe all warnings and precautions listed for the product.

Use in accordance with good manufacturing and industrial hygiene practices. Use product in a properly ventilated work area. Do not eat, drink or smoke while handling product.

STORAGE

Container: DO NOT USE METAL

Store tightly sealed under inert gas in a cool, well-ventilated area.

FIRE PROTECTION

Keep away from heat, sparks, and open flame.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

VENTILATION: Mechanical (general)

RESPIRATORY: Usually not required.

SKIN: Rubber gloves

EYES: Splash-proof safety glasses.

OTHER PROTECTIVE EQUIPMENT: Safety shower, eye wash

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

APPEARANCE: colorless liquid

ODOR DESCRIPTION: very mild, oily

BOILING POINT: 110C @ 4 mm Hg

VAPOR PRESSURE: Not found.

VAPOR DENSITY (Air = 1): >1

SPECIFIC GRAVITY @ 25C (water = 1): 0.8850:0.8940

SOLUBILITY IN WATER: Insoluble in water.

FLASH POINT (CC): 230 F 110 C

SECTION 10. STABILITY AND REACTIVITY

INCOMPATIBILITIES

CONDITIONS TO AVOID: Presents no special reactivity hazard.

MATERIALS TO AVOID: Strong oxidizing agents.

HAZARDOUS COMBUSTION PRODUCTS

CO, CO₂, water

SECTION 11. TOXICOLOGICAL INFORMATION

ACUTE EFFECTS

Most likely route of entry is through the skin.

Full strength may be irritating to skin and eyes.

TOXICITY DATA

This material is a Straight Chain Lepidopteran Pheromone, a class of pheromones with no expected risks to human health or non-target organisms.

THRESHOLD LIMIT VALUE (TLV): Not established.

OSHA PERMISSABLE EXPOSURE LIMIT (PEL): Not established.

LISTED AS CARCINOGEN BY NTP, IARC, OR OSHA?: NO

SECTION 12. ECOLOGICAL INFORMATION

GENERAL

Prevent contamination of soil, ground- and surface water.

SECTION 13. DISPOSAL CONSIDERATION

WASTE DISPOSAL METHOD: Incineration or sanitary landfill in accordance with local, state, and federal regulations.

SECTION 14. TRANSPORT INFORMATION

Class Pack Group Sub. Risk UN No.

Road(U.S.-DOT): not regulated.

Air (IATA): not regulated.

Sea (IMDG): not regulated.

SECTION 15. REGULATORY INFORMATION

EUROPEAN INFORMATION

Based on toxicological studies in the published literature, there are no risk and safety phrases to assign for this product.

REVIEWS, STANDARDS, AND REGULATIONS

This chemical is listed on the following inventories:

TSCA NDSL ENCS

LISTED AS CARCINOGEN BY NTP, IARC, OR OSHA?: NO

Warranty:

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