



MATERIAL SAFETY DATA SHEET

**cis-3-HEXENYL ALPHA METHYL BUTYRATE FCC**

SECTION 1. PRODUCT

Product Name: cis-3-HEXENYL ALPHA METHYL BUTYRATE FCC

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SECTION 2. HAZARDS IDENTIFICATION

HMIS HAZARD CLASSIFICATIONS

HEALTH = 1      FLAMMABILITY = 2      REACTIVITY = 0      PROTECTION  
= B

LABEL PRECAUTIONARY STATEMENTS

U.S. HAZARD LABELING

May be irritating to skin and eyes.

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SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS #: 53398-85-9

FEMA #: 3497      COE #: 2345

MF: C11H20O2

EC NO: 258-517-4

SYNONYM(S)

Butanoic acid, 2-methyl-, (3Z)-3-hexenyl ester

(\* Alt. CAS #) CAS: 10094-41-4; 3-Hexenyl 2-methylbutanoate

FEMA CAS: 10094-41-4

cis-3-Hexenyl 2-methyl butyrate

cis-3-Hexenyl 2-methylbutanoate

cis-3-Hexenyl 2-methylbutyrate

z-3-Hexenyl-2-methylbutyrate

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SECTION 4. FIRST-AID MEASURES

INHALATION EXPOSURE: Remove to fresh air. Give oxygen and call a physician.

EYE CONTACT: Flush with water for 15 min. Seek medical help if necessary.

SKIN CONTACT: Wash area well with water. Seek medical help if necessary.

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

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SECTION 5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA

CO2, FOAM, DRY CHEMICAL  
SPECIAL FIRE FIGHTING PROCEDURES  
Use standard fire fighting procedures.  
UNUSUAL FIRE AND EXPLOSION HAZARDS:  
None.

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#### 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.

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#### 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

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

##### FIRE PROTECTION

Keep away from heat, sparks, and open flame.

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#### 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

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#### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid  
ODOR DESCRIPTION: a 'natural' fruity odor of green apples  
BOILING POINT: 80C @ 4 mmHg  
VAPOR PRESSURE : 0.106 mmHg @ 25 C  
VAPOR DENSITY (Air = 1): > 1  
SPECIFIC GRAVITY @ 25C (water = 1): 0.8755:0.8804  
SOLUBILITY IN WATER: Insoluble in water; soluble in alcohol.  
FLASH POINT (CC): 180 F 82 C

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#### 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

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#### SECTION 11. TOXICOLOGICAL INFORMATION

##### ACUTE EFFECTS

Most likely route of entry is through the skin.

Full strength may be irritating to skin and eyes.  
IRRITATION DATA

10% in petrolatum produced no irritation or sensitization in humans.

TOXICITY DATA

LD50 Dermal (rabbit) > 5 g/kg.

LD50 Oral (rat) > 5 g/kg.

THRESHOLD LIMIT VALUE (TLV): Not established

OSHA PERMISSABLE EXPOSURE LIMIT (PEL): Not established

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

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SECTION 12. ECOLOGICAL INFORMATION

GENERAL

Prevent contamination of soil, ground- and surface water.

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SECTION 13. DISPOSAL CONSIDERATION

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

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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.			

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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 AICS CHINA DSL ECL EINECS(258-517-4) ENCS PICCS

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

SECTION 16. OTHER INFORMATION

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