BEDOUKIAN
Bedoukian Research, Inc.
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SAFETY DATA SHEET

Issue Date: Jun 23, 1999 Revision Date: Feb 08, 2007
SDS #: BRIP6040-95 Printed: Dec 08, 2010 12:03:00

Product #: P6040-95 BEDOUKIAN CIS-11-TETRADECENYL ACETATE TECHNICAL PHEROMONE

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Bedoukian Research, Inc.
21 Finance Drive
Danbury, CT 06810-4133
UNITED STATES
Phone: 1-203-830-4000 Email: customerservice@bedoukian.com
Fax: 1-203-830-4010 Website: http://www.bedoukian.com

Emergency Phone Numbers:
1-800-424-9300 Chemtrec (North America)
1-703-527-3887 Chemtrec (International)

Product Code: P6040-95
Product Name: BEDOUKIAN CIS-11-TETRADECENYL ACETATE TECHNICAL PHEROMONE
Uses: insect pheromone

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.
EU 67/548/EEC (DSD) DETERMINATION
Based on toxicological studies in the published literature, there are no risk and safety phrases to assign for this product.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS #: 20711-10-8
MF: C16H30O2
EC NO: 243-982-8
Minimum Purity: 95.0%

ADDITIONAL INFORMATION
EPA Registration No. 52991-8

SYNONYM(S)
11-Tetradecen-1-ol, acetate, (11Z)-
BEDOUKIAN 11-TETRADECENYL ACETATE TECHNICAL PHEROMONE
ECB pheromone
European corn borer pheromone
GBM pheromone component
Grapeberry moth pheromone component
Z11-14Ac
cis-11-Tetradecenyl acetate
z-11-Tetradecenyl acetate

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.

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.

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
Packaging: Glass, Plastic, Aluminum or Steel
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: mild and waxy
BOILING POINT: 125C @ 3mmHg
VAPOR PRESSURE : Not found
VAPOR DENSITY (Air = 1): >1
SPECIFIC GRAVITY @ 25C (water = 1): 0.8710:0.8760
SOLUBILITY IN WATER: Insoluble in water.
FLASH POINT (CC): 230 F 110 C
LOGP : 6.540

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.
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

REVIEWS, STANDARDS, AND REGULATIONS
This chemical is listed on the following inventories:
TSCA NDSL ECL EINECS(243-982-8)
LISTED AS CARCINOGEN BY NTP, IARC, OR OSHA?: NO

SECTION 16. OTHER INFORMATION

DISCLAIMER OF WARRANTIES AND LIMITATION OF LIABILITY

THE INFORMATION IN THIS MSDS WAS OBTAINED FROM SOURCES WHICH WE BELIEVE ARE RELIABLE. HOWEVER, THE INFORMATION IS PROVIDED WITHOUT ANY WARRANTY, EXPRESS OR IMPLIED REGARDING ITS CORRECTNESS.

BEDOUKIAN RESEARCH INC. ("BRI") MAKES NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OF ANY OTHER NATURE WITH RESPECT TO THE INFORMATION OR THE PRODUCT TO WHICH THE INFORMATION REFERS.

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SAFETY DATA SHEET

Issue Date: Apr 04, 2006 Revision Date: Apr 05, 2006
SDS #: BRIP6030-95 Printed: Dec 08, 2010 12:02:57

Product #: P6030-95 z-9-TETRADECEN-1-YL ACETATE

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Bedoukian Research, Inc.
21 Finance Drive
Danbury, CT 06810-4133
UNITED STATES
Phone: 1-203-830-4000 Email: customerservice@bedoukian.com
Fax: 1-203-830-4010 Website: http://www.bedoukian.com

Emergency Phone Numbers:
1-800-424-9300 Chemtrec (North America)
1-703-527-3887 Chemtrec (International)

Product Code: P6030-95
Product Name: z-9-TETRADECEN-1-YL ACETATE
Uses: pheromone

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.
EU 67/548/EEC (DSD) DETERMINATION
Based on toxicological studies in the published literature, there are no risk and safety phrases to assign for this product.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS #: 16725-53-4
MF: C16H30O2
EC NO: 240-780-1
Minimum Purity: 95.0%
SYNONYM(S)
9-Tetradecen-1-ol, acetate, (9Z)-
Z-9-Tetradecenyl Acetate
Z9-14Ac

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.

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.

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
Packaging: Glass, Plastic, Aluminum or Steel
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 to light yellow liquid
ODOR DESCRIPTION: very mild, waxy
BOILING POINT: 110C @ 0.1 mm Hg
VAPOR PRESSURE : Not found
VAPOR DENSITY (Air = 1): >1
SPECIFIC GRAVITY @ 25C (water = 1): 0.8720:0.8760
SOLUBILITY IN WATER: Insoluble in water.
FLASH POINT (CC): 230 F 110 C
LOGP : 6.540

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

REVIEWS, STANDARDS, AND REGULATIONS
This chemical is listed on the following inventories:
TSCA NDSL ECL EINECS(240-780-1) ENCS
LISTED AS CARCINOGEN BY NTP, IARC, OR OSHA?: NO

SECTION 16. OTHER INFORMATION

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