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SAFETY DATA SHEET

Issue Date: Jun 22, 1999  
SDS #: BRIP3040-95

Revision Date: Jun 09, 2006  
Printed: Dec 08, 2010 12:02:16

Product #: P3040-95 z-9-DODECENYL ACETATE

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SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Bedoukian Research, Inc. Emergency Phone Numbers:  
21 Finance Drive 1-800-424-9300 Chemtrec (North America)  
Danbury, CT 06810-4133 1-703-527-3887 Chemtrec (International)  
UNITED STATES  
Phone: 1-203-830-4000 Email: [customerservice@bedoukian.com](mailto:customerservice@bedoukian.com)  
Fax: 1-203-830-4010 Website: <http://www.bedoukian.com>

Product Code: P3040-95  
Product Name: z-9-DODECENYL ACETATE  
Uses: pheromone

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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.

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SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS #: 16974-11-1  
MF: C14H26O2  
EC NO: 241-054-7  
Minimum Purity: 95.0%

ADDITIONAL INFORMATION

EPA Registration No. 52991-10

SYNONYM(S)

9-Dodecen-1-ol, acetate, (9Z)-  
BEDOUKIAN 9-DODECENYL ACETATE TECHNICAL PHEROMONE  
GBM pheromone component  
Grapeberry moth pheromone component  
WPSB pheromone  
Western pine shootborer pheromone  
Z9-12Ac

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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

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.

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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

APPEARANCE: colorless liquid

ODOR DESCRIPTION: mild, fruity

BOILING POINT: 95C @ 1 mm Hg

VAPOR PRESSURE : Not found

VAPOR DENSITY (Air = 1): >1

SPECIFIC GRAVITY @ 25C (water = 1): 0.8750:0.8800

SOLUBILITY IN WATER: Insoluble in water.

FLASH POINT (CC): 230 F 110 C

LOGP : 5.560

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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.

##### RTECS NUMBERS

RTECS:(Z-9-Dodecen-1-ol, acetate) JR5270000.

##### TOXICITY DATA

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

## REVIEWS, STANDARDS, AND REGULATIONS

This chemical is listed on the following inventories:  
 TSCA NDSL ECL EINECS(241-054-7) ENCS  
 LISTED AS CARCINOGEN BY NTP, IARC, OR OSHA?: NO

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 SECTION 16. OTHER INFORMATION

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## SAFETY DATA SHEET

Issue Date: Jun 23, 1999  
 SDS #: BRIP6041-95

Revision Date: Jun 09, 2006  
 Printed: Dec 08, 2010 12:03:00

Product #: P6041-95 z-11-TETRADECEN-1-OL

## SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Bedoukian Research, Inc. Emergency Phone Numbers:  
 21 Finance Drive 1-800-424-9300 Chemtrec (North America)  
 Danbury, CT 06810-4133 1-703-527-3887 Chemtrec (International)  
 UNITED STATES  
 Phone: 1-203-830-4000 Email: [customerservice@bedoukian.com](mailto:customerservice@bedoukian.com)  
 Fax: 1-203-830-4010 Website: <http://www.bedoukian.com>

Product Code: P6041-95  
 Product Name: z-11-TETRADECEN-1-OL  
 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 #: 34010-15-6  
 MF: C<sub>14</sub>H<sub>28</sub>O  
 EC NO: 251-790-0  
 Minimum Purity: 95.0%

## SYNONYM(S)

11-Tetradecen-1-ol, (11Z)-  
 Z-11-Tetradecenol  
 Z11-14OH

## 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

CO<sub>2</sub>, FOAM, DRY CHEMICAL

## SPECIAL FIRE FIGHTING PROCEDURES

Use standard class B 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.

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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

Packaging: Glass, Plastic or Steel  
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  
APPEARANCE: colorless liquid  
ODOR DESCRIPTION: not applicable  
BOILING POINT: 115C @ 0.1 mm Hg  
VAPOR PRESSURE : Not established  
VAPOR DENSITY (Air = 1): >1  
SPECIFIC GRAVITY @ 25C (water = 1): 0.8450:0.8510  
SOLUBILITY IN WATER: Insoluble in water  
FLASH POINT (CC): 230 F 110 C  
LOGP : 5.540

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SECTION 10. STABILITY AND REACTIVITY

## INCOMPATIBILITIES

CONDITIONS TO AVOID: Presents no sepcaill reactivity hazard.

MATERIALS TO AVOID: Strong oxidizing agents

## HAZARDOUS COMBUSTION PRODUCTS

CO, CO2, H2O

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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.

## 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

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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.			

---

SECTION 15. REGULATORY INFORMATION

REVIEWS, STANDARDS, AND REGULATIONS

This chemical is listed on the following inventories:  
TSCA NDSL ECL EINECS (251-790-0) ENCS  
LISTED AS CARCINOGEN BY NTP, IARC, OR OSHA?: NO

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SECTION 16. OTHER INFORMATION

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