



**Synergy
Semiachemicals
Corporation**

Safety Data Sheet

a-Copaene 50%

SECTION 1. IDENTIFICATION

| | |
|--------------------------------------|--|
| Product Identifier | a-Copaene 50% |
| Other Means of Identification | N/A |
| Recommended Use | Pheromone release device for Ambrosia Beetles |
| Restrictions on Use | Not for household usage |
| Initial Supplier Identifier | Synergy Semiochemicals Corporation 7572 Progress Way Delta, British Columbia, Canada V4G 1E9 |
| | For Information: (604) 454-1122 |
| Emergency Telephone Number | CANUTEC @ 1-(613)-996-6666 |

SECTION 2. HAZARD IDENTIFICATION

| | |
|-----------------------|---|
| Classification | H226: Flammable liquid and vapor H315: Causes skin irritation H319: Causes serious eye irritation H335: May cause respiratory irritation |
| Label Elements | N/A |
| Other Hazards | N/A |

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name | CAS No. | Concentration | Common name / Synonyms | Other identifiers |
|---------------|-----------|---------------|------------------------|-------------------|
| a-copaene | 3856-25-5 | | N/A | N/A |

Notes Chemicals are inside a sealed plastic release device.

SECTION 4. FIRST-AID MEASURES

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| Inhalation | Remove victim from area to fresh air. Seek medical attention if irritation persists. |
| Skin Contact | Wash area well with soap and warm water. Seek medical attention if irritation persists. |
| Eye Contact | Wash eyes with water or saline solution for at least 15 minutes and seek medical attention. |
| Ingestion | Plastic release device is unlikely to be ingested. Give water or milk to dilute and consider medical attention if large quantities ingested. Do not induce vomiting. |
| Most Important Symptoms and Effects, Acute and Delayed | Irritation to skin and mucous membranes. |
| Immediate Medical Attention and Special Treatment | Treat symptomatically and supportively. |

SECTION 5. FIRE-FIGHTING MEASURES

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|---|---|
| Extinguishing Media | |
| Suitable Extinguishing Media | Dry powder fire extinguisher, carbon dioxide fire extinguisher. |
| Unsuitable Extinguishing Media | Water. |
| Specific Hazards Arising from the Product | Fumes from combusting plastic membrane may be irritant or toxic. |
| Special Protective Equipment and Precautions for Fire-Fighters | No data |

SECTION 6. ACCIDENTAL RELEASE MEASURES

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| Personal Precautions, Protective Equipment, and Emergency Procedures | If devices are intact, no special precautions required. If devices have been punctured or are leaking, latex or vinyl gloves are recommended. |
| Methods for Containment and Cleaning Up | Collect devices for disposal in domestic garbage. Any liquid present that has leaked out may be absorbed with vermiculite or other spill kit. Wash area with soap and water. |

SECTION 7. HANDLING AND STORAGE

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|--------------------------------------|---|
| Precautions for Safe Handling | Handle with latex or vinyl gloves, wash hands after handling devices. |
|--------------------------------------|---|

Conditions for Safe Storage

Store away from children and pets in sealed container in a cool, dry place.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

| Chemical Name | ACGIH® TLV® | | OSHA PEL | |
|---------------|-------------|------|----------|------|
| | TWA | STEL | TWA | STEL |
| a-copaene | N/A | N/A | N/A | N/A |

Notes No data for exposure limits.

Appropriate Engineering Controls N/A

Individual Protection Measures

Eye/Face Protection Safety glasses.

Skin Protection Organic-resistant gloves as appropriate.

Respiratory Protection Ventilated area as required for personal comfort.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance Clear liquid, packaged in release device.

Odour Woody, peppery odour

Odour Threshold N/D

pH N/A

Melting Point and Freezing Point N/A

Initial Boiling Point and Boiling Range Mixture

Flash Point 80°C

Evaporation Rate <1

Flammability (solid, gas) N/D

| | |
|---|--|
| Upper and Lower Flammability or Explosive Limit | N/D |
| Vapour Pressure | N/D |
| Vapour Density (air = 1) | >1 |
| Relative Density (water = 1) | 0.90 |
| Solubility in Water | Insoluble. |
| Solubility in Other Liquids | Soluble in alcohol, acetone, ether, petroleum ether. |
| Partition Coefficient, n-Octanol / Water (Log Kow) | N/A |
| Auto-ignition Temperature | N/D |
| Decomposition Temperature | N/D |
| Viscosity | N/D |

SECTION 10. STABILITY AND REACTIVITY

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|---|--|
| Reactivity | N/D |
| Chemical Stability | N/D |
| Possibility of Hazardous Reactions | None. |
| Conditions to Avoid | Strong oxidising agents, chlorinating agents, extreme temperature. |
| Incompatible Materials | See above. |
| Hazardous Decomposition Products | Oxides of carbon. |

SECTION 11. TOXICOLOGICAL INFORMATION

Likely Routes of Exposure

Inhalation Skin contact Eye contact Ingestion

Acute Toxicity

| | |
|--------------------|------------|
| LC50 | N/D |
| LD50 (oral) | N/D |

LD50 (dermal) N/D

Notes

Skin Corrosion / Irritation N/D

Serious Eye Damage / Irritation N/D

STOT (Specific Target Organ Toxicity) - Single Exposure N/D

Aspiration Hazard N/D

STOT (Specific Target Organ Toxicity) - Repeated Exposure N/D

Respiratory and/or Skin Sensitization Possible with repeated exposure.

Carcinogenicity

| Chemical Name | IARC | ACGIH® | OSHA |
|----------------------|-------------|---------------|-------------|
| a-copaene | No | No | No |

Notes

Reproductive Toxicity

Development of Offspring N/A

Sexual Function and Fertility N/A

Effects on or via Lactation N/A

Germ Cell Mutagenicity N/A

Interactive Effects N/A

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity None.

Persistence and Degradability N/D

Bioaccumulative None.

Potential

Mobility in Soil N/D

Other Adverse Effects None.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal Methods Dispose of in residential garbage as non-hazardous waste.

SECTION 14. TRANSPORT INFORMATION

| Regulation | UN No. | Proper Shipping Name | Technical Name (for N.O.S. entry) | Transport Hazard Class(es) | Packing Group |
|------------|--------|----------------------|-----------------------------------|----------------------------|---------------|
| N/D | N/D | N/D | N/D | N/D | N/D |

Special Precautions None.

Environmental Hazards N/A

Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code N/A

SECTION 15. REGULATORY INFORMATION

Safety, Health and Environmental Regulations N/A

SECTION 16. OTHER INFORMATION

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