



Phone: (918) 785-3061  
Date Issued: 11/06/2007  
Revised: 04/01/2010

## Material Safety Data Sheet

**Product: STORGARD® CB/IMM+4 COMBI**

**Product Name:** STORGARD® CB/IMM+4 COMBI lure for *Lasioderma serricorne*, *Plodia interpunctella*, *Ephestia kuehniella*, *Cadra figulilella*, *Ephestia elutella*, and *Cadra cautella*

**Manufacturer:** Trécé, Incorporated

### I. Product and Company Description

**Company:** Trécé, Incorporated, P.O. Box 129, Adair, OK 74330

**Emergency Phone Number:** (918) 785-3061

**For Product Information:** (918) 785-3061

**Product Name:** STORGARD® CB/IMM+4 COMBI lure for *Lasioderma serricorne*, *Plodia interpunctella*, *Ephestia kuehniella*, *Cadra figulilella*, *Ephestia elutella*, and *Cadra cautella*

**Active Ingredient:** Serricornin

**Synonyms:** Nonan-3-one, 4-6-dimethyl-7-hydroxy-: (4R,6S,7S)-(.+.)-  
Nonan-3-one, 4-6-dimethyl-7-hydroxy-: (4R,6R,7R)-(.+.)-

**Active Ingredient:** (9Z,12E)-9,12-tetradecadien-1-yl acetate

**Synonyms:** (9Z,12E)-9,12-tetradecadien-1-ol acetate  
IMM pheromone  
*cis,trans*-9,12-tetradecadien-1-yl acetate

### II. Chemical Composition / Information on ingredients

**Chemistry Name:** Serricornin

**CAS#:** Mixture (99945-27-4, 92999-14-9)

**MF:** C<sub>11</sub>H<sub>22</sub>O<sub>2</sub>

**Chemistry Name:** (9Z,12E)-9,12-tetradecadien-1-yl acetate

**CAS#:** 30507-70-1

**MF:** C<sub>16</sub>H<sub>28</sub>O<sub>2</sub>

**EPA Registration No.:** 52991-18

**Dispenser:** Elastomer-based solid



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### III. Hazards Identification

**HMIS Hazard Classifications:**

**Serricornin:** Health = 1; Flammability = 2; Reactivity = 0; Protection = B  
**(9Z,12E)-9,12-tetradecadien-1-yl acetate:** Health = 1; Flammability = 1; Reactivity = 0; Protection = B

**Label Precautionary Statements**

**U.S. Hazard Labeling** May be irritating to skin and eyes.

### IV. First Aid Measures

**Eye Exposure:** Flush with copious amounts of water for at least 15 minutes. Seek medical help if necessary.

**Skin Exposure:** Wash area well with soap and copious amount of water. Seek medical help if necessary.

**Inhalation:** Remove to fresh air.

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

### IV. Fire Fighting Measures

**Flash Point:**  
**Serricornin:** 185°F 85°C  
**(9Z,12E)-9,12-tetradecadien-1-yl acetate:** Not Determined

**Autoignition Temperature:** Not Determined

**Flammability Limits (vol/vol%):** Lower: ND; Upper: ND

**Extinguishing Media:** Carbon dioxide (CO<sub>2</sub>), foam, dry chemical powder

**Special Fire Fighting Procedures:** Use standard fire fighting procedures.

**Unusual Fire and Explosion Hazards:** None

### VI. Accidental Release Measures

**Cleanup and Disposal of Spill:** Standard absorbents can be used

**Waste Disposal:** Incineration or sanitary landfill in accordance with local, state, and federal regulations



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### VII. Handling and Storage

**Handling:** Observe all warnings and precautions listed for the product. Use product in a properly ventilated work area. Do not eat, drink or smoke while handling product

**Storage:** 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

### VIII. Exposure Controls / Personal Protection

**Ventilation:** Mechanical (general)

**Respiratory Protection:** Usually not required.

**Eye / Face Protection:** Wear splash-proof safety glasses.

**Skin Protection:** Wear rubber gloves.

**Other Protective Equipment:** Safety shower, eye wash

### IX. Physical and Chemical Properties

**Chemistry Name:** Serricornin

**Physical Appearance:** Colorless liquid

**Odor:** Not established

**Melting Point:** Not established

**Specific Gravity at 25 °C (water=1):** 0.9280:0.9350

**Water Solubility:** Not established

**Boiling Point:** Not established

**Flash point (CC):** 185 °F, 85 °C



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### IX. Physical and Chemical Properties

**Chemistry Name:** (9Z,12E)-9,12-tetradecadien-1-yl acetate  
**Physical Appearance:** Colorless liquid  
**Odor:** Very mild, oily  
**Specific Gravity at 25 °C (water=1):** 0.8850:0.8940  
**Water Solubility:** Insoluble in water  
**Boiling Point:** 110 °C at 4 mm Hg  
**Flash point (CC):** Not established

### X. Stability and Reactivity

**Conditions to avoid:** Presents no special reactivity hazard

**Materials / Chemicals to be Avoided:** Strong oxidizing agents

**Hazardous Decomposition Products:** CO, CO<sub>2</sub>, Water

### XI. Toxicological Information

**Chemistry Name:** Serricornin  
**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 Permissible Exposure Limit (PEL):** Not established  
**Listed as Carcinogen by NTP, IARC, or OSHA?:** No



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### **XI. Toxicological Information**

**Chemistry Name:** (9Z,12E)-9,12-tetradecadien-1-yl acetate

**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 Permissible Exposure Limit (PEL):** Not established

**Listed as Carcinogen by NTP, IARC, or OSHA?:** No

### **XII. Ecological Information**

**General:** Prevent contamination of soil, ground and surface water.

### **XIII. Disposal Consideration**

**Waste Disposal Method:** Incineration or sanitary landfill in accordance with local, state, and federal regulations.

### **XIV. Transportation Information**

**Road (U.S. – DOT):** Not regulated

**Air (IATA):** Not regulated

**Sea (IMDG):** Not regulated

### **XV. Regulatory Information**

**European Information:** There are no toxicological studies in the published literature to assign risk and safety phrases

**Reviews, Standards, and Regulations:**

**Serricornin:** This chemical is listed on the following inventories:  
TSCA

(9Z,12E)-9,12-tetradecadien-1-yl acetate: This chemical is listed on the following inventories:  
TSCA, NDSL, ENCS

**Listed as carcinogen by NTP, IARC, OR OSHA?:** No



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### **XVI: Other Information**

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