

Safety Data Sheet
Prepared April 10, 2015
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Section 1 Product and Supplier Information



Chemtica Internacional, S.A.
100 M East 300 M South
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Sto. Domingo, Heredia
Costa Rica 40603

Emergency Phone Numbers:
1-800-424-9300
Chemtec (North America) emergency number

1-703-527-3887
Chemtec(International) emergency number

506-2261-5396, 506-2261-2424
Chemtica Internacional

Product Code: P274-PXL-NA

Product Name: Ips typographus

This product consists of three semipermeable plastic pouches each containing a different attractant: cis- verbenol, ipsdienol and 2-methylbut-3-en-2-ol. The pouches are sealed in separate impermeable pouches for shipping and storage. The product is intended for use in open fields as an attractant for *Ips typographus* and related bark beetles.

Section 2: Composition / Information on Ingredient

Active Ingredient (cis-Verbenol)

Name: 1-cis-4,6,6-trimethylbicyclo[3.1.1]hept-3-en-2-ol

CAS # 18881-04-4

UN#: N/A

SARA # 313

Formula: C₂H₆O

RTECS#: YX7525000

EINECS#: 242-645-2

Active Ingredient (Ipsdienol)

Name: 2-methyl-6-methylene-2,7-octadien-4-ol

CAS # 35628-00-3

UN#: N/A

RTECS#: N/A

Formula: C₁₀H₁₆O

Active Ingredient (Methylbutenol)

Name: 2-Methylbut-3-en-2-ol

CAS # 115-18-4

UN#: N/A

RTECS#: EM9472000

SARA # 313

Formula: C₅H₁₀O

Section 3 Hazards Identification

Emergency Overview – for product

Non-Harmful

Combustible

For additional information on toxicity refer to Section 11.

Section 4 First Aid Measures

Oral Exposure: Harmful liquid enclosed in flexible plastic sheet very difficult to swallow. If swallowed seek medical advice.

Inhalation Exposure: Active ingredients evaporate at a rate of less than 10 grams per day at 20°C. Inhalation is difficult. If inhaled remove to fresh air and seek medical advice.

Dermal Exposure: May cause irritation from prolonged (days of continuous) direct exposure to devices as would occur if devices were carried in clothing.

Eye Exposure: Active ingredients irritating to eyes. Wash with plenty of water and seek medical advice.

Section 5 Fire Fighting Measures

Flash Point: Product N/A

Autoignition Temperature: In formulation: N/A

Flammability: In formulation: N/A

Extinguishing Media: In formulation: Suitable: Water spray. Carbon dioxide, dry chemical powder or appropriate foam.

Firefighting: In formulation: Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Specific Hazard(s): Combustible liquid. Emits toxic fumes under fire conditions.

Section 6 Accidental Release Measures

Procedure to be followed in case of leak or spill: Pick up plastic devices and dispose of in approved manner.

Procedure(s) of personal precaution(s): No protective apparatus necessary for cleanup.

Methods for cleaning up: Pick up material and dispose of in approved manner.

Section 7 Handling and Storage

Handling: No special precautions necessary when handling these plastic devices.

Storage: Suitable: Keep away from heat, sparks and open flame, store below 4°C.

Section 8 Exposure Controls / PPE

Engineering Controls: No open flames.

Personal Protective Equipment: No respiratory equipment required.

Hand: Compatible chemical resistant gloves recommended for prolonged handling.

Eye: No precautions necessary if devices are handled in prescribed manner.

General Hygiene Measures: Wash contaminated clothing before reuse. Wash thoroughly after handling.

Section 9 Physical / Chemical Properties

Appearance Physical State: Flexible solid sheet enclosing a liquid

| | cis-Verbenol | Methylbutenol | Ipsdienol |
|------------------|--------------|---------------|----------------|
| Molecular Weight | 152 | 86.5 | 152 |
| pH | N/A | N/A | N/A |
| BP/BP Range | N/A | 98 °C | 49°C @ 0.5mmHg |
| MP / MP Range | 52-62°C | N/A | N/A |
| Vapor Density | >1 | N/A | >1 |

| | | | |
|--------------|------------------------|-------------------------|------------------------|
| SG / Density | 0.99 g/cm ³ | 0.824 g/cm ³ | 0.90 g/cm ³ |
| Volatile % | 100 | 100 | 100 |
| VOC Content | 100 | 100 | 100 |

Section 10 Stability and Reactivity

Stability: Stable. Materials to avoid: Strong oxidizing agents. Strong reducing agents.

Hazardous Decomposition Products: Carbon dioxide and Carbon monoxide.

Hazardous polymerization: Will not occur.

Section 11 Toxicological Information

The following applies to the plastic devices enclosing the active ingredients when used in the prescribed manner.

Skin Contact: Product known to cause skin irritation upon prolonged contact.

Skin Absorption: Product absorbed through the skin upon prolonged contact.

Eye Contact: Product causes eye irritation if directly rubbed in eye.

Inhalation: Product difficult to inhale.

Ingestion: Product could cause choking if swallowed.

Signs and Symptoms of Exposure: To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated.

Toxicity Data (cis-Verbenol)

LD50 (rat, intraperitoneal) 125 mg/kg

Toxicity Data (Methylbutenol)

LD50 (rat, intraperitoneal) 1,315 mg/kg

LD50 (mouse, intraperitoneal) 800 mg/kg

Toxicity Data (Ipsdienol)

LD50 (rat, intraperitoneal) N/A

Section 12 Ecological Information

No data available.

Section 13 Disposal Considerations

Appropriate Method of Disposal of Substance or Preparation

Contact a licensed professional waste disposal service to dispose of this material. This combustible material may be burned in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state and local environmental regulations.

Section 14 Transport Information

DOT

Shipping Name: Ips typographus (Exotic Ips) lures

Hazard Label: Flammable

PIH: Not PIH.

IATA

Shipping Name: Ips typographus (Exotic Ips) lures

Hazard Label: Flammable

Section 15 Regulatory Information

US Classification and Label Text

Indication of Danger: Flammable, Irritant.

Risk Statements: Irritant to skin, eyes and respiratory system.

US Statements: No open flames, no smoking. In case of contact with eyes wash immediately with large amounts of water and seek medical attention. Use

United States Regulatory Information

SARA Listed: No. (active ingredients)

TSCA Inventory Item: Yes (active ingredient)

Canada Regulatory Information

WHMIS Classification: This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains information required by the CPR.

Section 16 Other Information

Disclaimer:

For use in open fields.

Warranty .

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