Synergy Semiochemicals Corporation

Safety Data Sheet

Trans Verbenol/Myrtenol Bubble

SECTION 1. IDENTIFICATION

Product Identifier	Trans Verbenol/Myrtenol
Other Means of Identification	N/A
Recommended Use	Pheromone release device for pine shoot beetle
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	H227: Flammable liquid
Label Elements	N/A
Other Hazards	N/A

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Concentration	Common name / Synonyms	Other identifiers
Trans Verbenol	1845-30-3	50%	N/A	N/A

Myrtenol	19894-97-4	50%	N/A	N/A

Notes Chemicals are inside a sealed plastic release device.

SECTION 4. FIRST-AID MEASURES

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

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

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

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**
Trans-Verbenol	**N/A**	**N/A**	**N/A**	**N/A**
Myrtenol	**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	N/A
Odour Threshold	N/D

pH	N/A
Melting Point and Freezing Point	N/A
Initial Boiling Point and Boiling Range	N/A
Flash Point	N/A
Evaporation Rate	N/D
Flammability (solid, gas)	N/A
Upper and Lower Flammability or Explosive Limit	N/D
Vapour Pressure	N/D
Vapour Density (air = 1)	N/A
Relative Density (water = 1)	N/A
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

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 __X__ 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
Trans-verbenol	No	No	No
Myrtenol	No	No	No

Notes

Reproductive Toxicity

Development of Offspring	**N/A**
Sexual Function and Fertility	N/A
Effects on or via	N/A

Lactation	
Germ Cell Mutagenicity	N/A
Interactive Effects	N/A

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity	None.
Persistence and Degradability	N/D
Bioaccumulative Potential	None.
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

Date of Latest Revision	April 30th, 2021