



Safety Data Sheet

1. Identification

Product name(s): SPLAT® VERB

Recommended use: Agriculture. For selective repellency of bark beetle species that respond to the anti-aggregation pheromone, verbenone.

Restrictions None known.

Manufacturer: ISCA Technologies, Inc.
1230 W. Spring Street
Riverside, CA 92507 - USA
T +1 951 686 5008
info@isca.com

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2. Hazard(s) identification

Classification:
Not classified as a hazardous chemical

GHS US labeling:
No labeling applicable

3: Composition/information on ingredients

Component	CAS-No.	Amount (%)
Verbenone	1196-01-6	10%

4. First-aid measures

Inhalation: Move the affected person to fresh air. Get medical attention if symptoms occur.

Skin: Take off contaminated clothing. Wash skin with plenty of soap and water. Get medical attention if symptoms occur.

Eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call poison control center or doctor for treatment advice.

Ingestion: Rinse mouth. Have person sip a glass of water if able to swallow. Do not induce vomiting. Call a poison center or a doctor if you feel unwell.

Symptoms/effects: No first aid should be needed. Not expected to present a significant hazard under anticipated conditions of normal use.

Immediate medical attention and special treatment, if necessary: Not required. Remove the victim to fresh air and keep at rest. If symptoms of irritation and/or sensitization occur seek medical advice/attention.

5. Fire-fighting measures

Suitable extinguishing media: Use extinguishing media appropriate for surrounding fire.

Unsuitable extinguishing media: None.

Fire hazard: This product is not classified as flammable or combustible.

Special protective equipment and precautions for fire-fighters: Do not attempt to take action without suitable protective equipment.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures: Avoid contact with eyes, skin and clothing. Wear suitable protective clothing.

Methods and material for containment and cleaning up: Collect spillage. Wipe up with absorbent material (for example cloth). Place in a suitable container for disposal in accordance with the waste regulations (see Section 13).

7. Handling and storage

Precautions for safe handling: Avoid contact with eyes, skin and clothing. Wear personal protective equipment. Ensure good ventilation of the work station. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

Storage conditions: Keep only in the original container in a cool, well-ventilated place away from: direct sunlight. Store in a dry place. For optimal shelf life, store at temperatures not exceeding 75°F (25°C). Do not freeze.

8. Exposure controls/personal protection

Exposure guidelines:

Verbenone	None established.
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Appropriate engineering controls: No particular/specific measures required. Safety shower and eyewash.

Environmental exposure controls: Avoid release to the environment.

Personal protective equipment:

Hand protection: In case of repeated or prolonged contact wear chemical-resistant gloves.

Eye protection: None under normal conditions. Wear suitable protective clothing.

Skin and body protection: None under normal conditions. Wear suitable protective clothing.

Respiratory protection: No respiratory protection needed under normal use conditions. Good general ventilation should be used. Ventilation rates should be matched to conditions. Maintain airborne levels to an acceptable level.

9. Physical and chemical properties

Appearance: Paste

Physical state	: Paste.	Boiling point	: > 100 °C (212 °F)
Color	: Gray.	Flash point	: No data available
Odor	: Minty, herbaceous	Relative evaporation rate (butylacetate=1)	: No data available
Odor threshold	: No data available	Flammability (solid, gas)	: Not applicable.
pH	: No data available	Vapor pressure	: No data available
Melting point	: Not applicable	Density	: Not data available.
Freezing point	: No data available		

Relative vapor density at 20 °C	: No applicable	Viscosity, kinematic	: No data available
Relative density	: No data available	Viscosity, dynamic	: No data available
Solubility	: In water, material is partially soluble.	Explosive limits	: No data available
Partition coefficient n-octanol/water (Log Pow)	: No data available	Explosive properties	: No data available
Auto-ignition temperature	: No data available	Oxidizing properties	: No data available
Decomposition temperature	: No data available		
No additional information available			

10. Stability and reactivity

Reactivity: The product is non-reactive under normal conditions of use, storage and transport.

Chemical stability: Stable under normal conditions.

Possibility of hazardous reactions: No dangerous reactions known under normal conditions of use.

Conditions to avoid: None known.

Incompatible materials: None known.

Hazardous decomposition products: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. Toxicological information

Inhalation: May cause minor irritation to the respiratory tract and to other mucous membranes.

Skin: Prolonged or repeated contact may cause skin to become dry.

Eyes: May cause minor eye irritation.

Ingestion: Not expected to present a significant ingestion hazard under anticipated conditions of normal use.

Chronic symptoms: None known.

Carcinogenicity:	Not classified
Verbenone:	This component is not listed as a carcinogen or suspected carcinogen by IARC, NTP, ACGIH, OSHA or the EU CLP.
Germ cell mutagenicity:	Not classified
Reproductive toxicity:	Not classified

The following are the toxicity values for the components:

Verbenone:	No data available.
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Skin corrosion/irritation	Not classified
Serious eye damage/irritation	Not classified
Respiratory or skin sensitization	Not classified
STOT-single exposure	Not classified

STOT-repeated exposure Not classified

12. Ecological information

Ecology - general: For terrestrial uses only. Do not contaminate water during application, disposal, or equipment cleanup.

Persistence and degradability: No data available

Bioaccumulative potential: No data available

Mobility in soil: No data available

Other adverse effects:

No data available

13. Disposal considerations

Regional legislation (waste): Dispose of contents/container in accordance with applicable federal, state, and local regulations.

14. Transport information

Department of Transportation (DOT)

Not regulated for transport

Transport by sea (IMDG)

Not regulated for transport

Air transport (IATA)

Not regulated for transport

15. Regulatory information

SARA Section 313 - Emission Reporting: Not subject to reporting requirements of United States SARA Section 313

CERCLA Section 103:

This product is not subject to reporting under CERCLA. However, many states have more stringent reporting requirements. Report all spills in accordance with local, state, and federal regulations.

SARA 302:

Not applicable

SARA Section 311/312 Hazard Classes: Refer to Section 2 for OSHA Hazard Classification.

California Proposition 65:

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

TSCA: All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

16. Other information

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NOTICE

The above information is believed to be correct but does not purport to be all-inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Users are advised to confirm in advance of need that information is current, applicable and suited to the circumstance of use. ISCA Technologies, Inc. shall not be held liable for any damage resulting from handling or from contact with the above product. Furthermore, ISCA Technologies, Inc. assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed. Any questions regarding this product should be directed to the manufacturer indicated in Section 1.