

**Section 1: Identification**

**Product Name:** Splat GM-O  
**Product Code:** Splat GM-O

**Manufacturer:** ISCA TECHNOLOGIES, Inc.  
1230 Spring Street  
Riverside, CA 92507  
www.iscatech.com

**Recommended Use:** For the control of Gypsy Moth, *Lymantria dispar*. SPLAT GM-O uses the pheromone of the gypsy moth (*Lymantria dispar*), to disrupt adult moth mating and thus reduce larval damage to trees.

**Emergency Phone Number:** 951 686 5008

**Section 2: Hazard Identification**

**GHS-US classification and Hazard Statement:**

- H305 - May be harmful if swallowed and enters airways
- H316 - Causes mild skin irritation
- H320 - Causes eye irritation
- H333 - May be harmful if inhaled

**Hazard Pictograms:**



**Precautionary Statements:**

- P102 - Keep out of reach of children
- P103 - Read label before use
- P270 - Do not eat, drink or smoke when using this product
- P233 - Keep container tightly closed.
- P264 - Wash hands, forearms, and exposed areas thoroughly after handling.
- P280 - Wear eye protection, protective clothing, protective gloves
- P303+P361+P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
- P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing
- P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
- P337+P313 - If eye irritation persists: Get medical advice/attention
- P403+P233 - Store in a well-ventilated place. Keep container tightly closed
- P235 - Keep cool
- P501 - Dispose of contents/container according to local, regional, national, and international regulations

**SECTION 3: Composition/information on ingredients**

Name	CAS #	Molecular Mass	Molecular Formula	Chemical Name	GHS-US Classification
Disparlure	29804-22-6	282.50	C <sub>19</sub> H <sub>38</sub> O	Cis-7,8-Epoxy-2-methyloctadecane	H227, H316, H320, H335
Mixture of Wax, oil and water	Not applicable	Not applicable	Not applicable	Not applicable	H305, H316, H320, H333

**SECTION 4: First aid measures**

**Description of first aid measures**

**Inhalation:** Move victim to fresh air and keep comfortable for breathing.

**Skin:** In case of contact with substance, wash skin with soap and water. Take off contaminated clothing and wash before reuse. If skin irritation occurs: Get medical advice/attention.

**Eye:** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

**Ingestion:** Call poison control center or doctor for treatment advice. Do NOT induce vomiting unless told to do so by poison control center or doctor. Have person sip a glass of water if able to swallow. Do not give anything by mouth to an unconscious person.

**Notes to Physician:** All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

**SECTION 5: Firefighting measures**

**Suitable Extinguishing Media:** Not applicable. Splat GM-O is not flammable.

### SECTION 6: Accidental release measures

**Personal precautions, protective equipment and emergency procedures:**

**Personal Precautions:** Applicators and other handlers must wear long-sleeved shirt and long pants, waterproof gloves, and shoes plus socks. Safety glasses are recommended. Follow the manufacturer's instructions for cleaning maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

**Environmental precautions:** For terrestrial uses: Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Incidental applications to water under the forest canopy are not considered to be a direct application to water, but should be avoided if practicable. Spray valves must be shut off when passing over surface water not under the canopy. Do not contaminate water when cleaning equipment or disposing of equipment washwaters or rinsate.

**Methods and material for containment and cleaning up:** In case of leak or spill, wipe with paper towel and dispose of waste when product hardens. Clean equipment with water and citrus or limonene detergents.

### Section 7 - Handling and Storage

**Storage:** Store product sealed and refrigerated, if possible. If refrigerated, do not store with food. If refrigeration is not available, store product in a cool dry place, out of direct sunlight. Do not exceed 75°F for long-term storage. Avoid freezing.

**Incompatible materials:** Keep away from heat, oxidizers and strong acids.

### SECTION 8: Exposure controls/personal protection

**Exposure Controls:**

**Personal Protective Equipment:** Applicators and other handlers must wear long-sleeved shirt and long pants, waterproof gloves, and shoes plus socks. Follow the manufacturer's instructions for cleaning maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry. Safety glasses are recommended.

**General Hygiene measures:** Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco.

### Section 9 - Physical and Chemical Properties

Physical state:	Thick liquid, semi-solid, grease-like consistency	Specific Density:	0.93 g/cm <sup>3</sup> Temp: 25 °C
Odor:	Waxy, fatty	Partition coefficient n-octanol/water:	Data not available
pH:	6.88	Solubility:	Partially soluble in water
Melting point:	Data Not Available	Evaporation Rate:	Data Not Available
Boiling point:	Above 100°C	Vapor Pressure:	Data not available
Flash Point:	Not applicable. Product is not flammable		

### Section 10: Stability and Reactivity

**Reactivity:** No dangerous reaction known under conditions of normal use.

**Chemical stability:** Stable under normal temperatures and pressures.

**Possibility of hazardous reactions:** Hazardous polymerization will not occur.

**Conditions to avoid:** High temperatures, sparks, open flames and live electrical circuits.

**Incompatible materials:** Oxidizing agents, strong acids.

**Hazardous decomposition products:** In case of fire oxides of carbon, fumes or vapors, soot and smoke may be produced.

### Section 11 - Toxicological Information

**Active Ingredient:**

Acute oral LD<sub>50</sub> (rat) : >34600 mg/kg

Acute dermal LD<sub>50</sub> (rabbit): >2025mg/kg

Inhalation LC<sub>50</sub> (rat): >5000mg/m<sup>3</sup>

**SPLAT GM-O (Mixture: Active Ingredient + Inert Ingredients):**

Toxicological properties of this product have not been thoroughly investigated.

### Section 12 - Ecological Information

Data is not available.

Product should not be directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Incidental applications to water under the forest canopy are not considered to be a direct application to water, but should be avoided if practicable. Spray valves must be shut off when passing over surface water not under the canopy. Do not contaminate water when cleaning equipment or disposing of equipment washwaters or rinsate.

### Section 13 - Disposal Considerations

**Appropriate Method of disposal:** Contact a licensed professional waste disposal service to dispose of this material. This material may be burned in a chemical incinerator equipped with an afterburner and scrubber or disposed in a sanitary landfill in accordance with local, state, and federal regulations. Observe all federal, state, and local environmental regulations .

### Section 14 - Transport Information

Transport in accordance with local, state and federal regulations.

### Section 15 - Regulatory Information

**US Classification and label Text:** Indication of Danger: Irritant. Safety Statements: Keep away from heat – no smoking.

**United States Regulatory information:** SARA Listed: No

### Section 16 - Other Information


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 as described in Section 1.

# SPLAT

## GM-O<sup>TM</sup>

For Mating Disruption of  
*Lymantria dispar*, gypsy moth

**SPLAT (Specialized Pheromone & Lure Application Technology) is an amorphous polymer matrix for the sustained release of insect pheromones. SPLAT GM-O provides control by disrupting mating behavior.**

 For Organic Production

# ISCA

### ACTIVE INGREDIENT:

Disparlure

(Z)-7,8-Epoxy-2-methyloctadecane:

13.00%

OTHER INGREDIENTS:

87.00%

TOTAL:

100.00%

Net Contents: \_\_\_\_\_ Lbs \_\_\_\_\_ Kg

Batch Number: \_\_\_\_\_

EPA Reg. No. 80286-12

EPA Est. No. 80286-CA-004

**KEEP OUT OF REACH OF CHILDREN  
CAUTION**

#### FIRST AID STATEMENT

##### IF IN 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.

##### IF ON SKIN OR CLOTHING:

- Take off contaminated clothing.
- Wash skin immediately with soap and water, then rinse with plenty of water for 15-20 minutes.

##### IF SWALLOWED:

- Call poison control center or doctor immediately for treatment advice.
- Have person sip a glass of water if able to swallow.
- Do not induce vomiting unless told to do so by poison control center or doctor.
- Do not give anything by mouth to an unconscious person.

#### HOTLINE NUMBER

**National Pesticides Information Center:** Have the product container or label with you when calling a poison control center, doctor, or going for treatment. For emergency information concerning this product, call the National Pesticides Information Center (NPIC) at 1-800-858-7378 seven days a week, 6:30 am to 4:30 pm Pacific Time (NPIC Web site: [www.npic.orst.edu](http://www.npic.orst.edu)).

See side/back panel for additional precautionary statements.

<b>PRECAUTIONARY STATEMENTS</b>	
<b>HAZARDS TO HUMANS AND DOMESTIC ANIMALS, CAUTION:</b> Causes moderate eye irritation. Harmful if swallowed or absorbed through skin. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove contaminated clothing and wash before use.	
<b>PERSONAL PROTECTIVE EQUIPMENT (PPE):</b> Applicators and other handlers must wear long-sleeved shirt and long pants, waterproof gloves, and shoes plus socks. Follow the manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.	
<b>ENVIRONMENTAL HAZARDS:</b> For terrestrial uses: Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Incidental applications to water under the forest canopy are not considered to be a direct application to water, but should be avoided if practicable. Spray valves must be shut off when passing over surface water not under the canopy. Do not contaminate water when cleaning equipment or disposing of equipment washwaters or rinsate.	
<b>DIRECTIONS FOR USE</b>	
It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Always consult your pest control advisor, distributor or ISCA Technologies, Inc. for advice regarding the use of SPLAT GM-O.	
<b>GENERAL</b>	SPLAT GM-O uses the pheromone of the gypsy moth ( <i>Lymantria dispar</i> ), to disrupt adult moth mating and thus reduce larval damage to trees.
<b>TARGET PEST AREA-WIDE CONTROL</b>	Gypsy Moth ( <i>Lymantria dispar</i> ) This product is only for use in wide-area gypsy moth control programs sponsored by government entities. Areas of application include, but are not limited to: forests, residential, municipal, and shade tree areas; recreational areas such as campgrounds, golf courses, parks, and parkways; ornamental and shade trees; shelterbelts, rights-of-way; and other easements. Area-wide or wide-area application of SPLAT GM-O is most effective. The efficacy of any mating disruption strategy will be reduced by the influx of adults from surrounding areas. It is for this reason that mating disruption works increasingly well with larger acreages, where the ratio of exposed borders to overall area treated is reduced. Always make application of SPLAT GM-O in consultation with your pest control advisor, distributor, or ISCA Technologies, Inc. No intentional food uses are permitted. However, an exemption from the requirement of a tolerance is established for residues of (Z)-7,8-epoxy-2-methylotetradecane (Disparure) on all food and feed crops that occur when it is used to treat trees, shrubs, and pastures and such use results in unintentional spray and drift to non-target vegetation including non-food, food, and feed crops.
<b>MONITORING</b>	Monitor for pests on a regular basis so that timely intervention with insecticides or alternative controls are possible. Use gypsy moth pheromone-baited monitoring traps made by ISCA Technologies or other suitable traps to monitor the presence of male moths, their emergence and their movement. Place monitoring traps before applying SPLAT GM-O to determine the infestation level. Continue monitoring throughout the season to evaluate efficacy and longevity of the pheromone application. Monitor treated plots for the target pest. Implement supplementary control measures if the pest population densities are above economic threshold levels.
<b>APPLICATION TIMING</b>	Apply SPLAT GM-O anytime in the two weeks preceding male flight and adult activity. Additional applications may be made if populations exceed the economic threshold. Consult your pest control advisor, distributor, or ISCA Technologies, Inc. for proper application timing.
<b>APPLICATION CONDITIONS</b>	Apply SPLAT GM-O when the ambient air temperature is above 50°F. SPLAT GM-O will cure within 3-4 hours following application, after which it will become rain fast and UV resistant. Do not apply if rain is expected within 1-2 hours of application or the temperature is outside of this range.
<b>APPLICATION RATE</b>	The application rate of SPLAT GM-O ranges from 23 grams to 230 grams of undiluted product per acre. This is equivalent to 3 grams to 30 grams of pheromone active ingredient (AI) per acre. Do not exceed 150 grams of AI per acre per year for multiple applications.
<b>PREPARATION FOR USE</b>	Always check SPLAT GM-O 24 hours before using. If SPLAT GM-O has been stored in a refrigerated area and has hardened, allow at least 48 hours at room temperature to achieve a workable consistency. Always mix SPLAT GM-O thoroughly before use: a drill with a paint mixing paddle or similar device works best. Avoid mechanical mixing with sharp blades, which come into contact with the plastic container as this can introduce shards of plastic into the SPLAT GM-O formulation, which might interfere with product flowability and application.
<b>APPLICATION EQUIPMENT</b>	SPLAT GM-O is applied either aerially or by ground with conventional application systems pressurized either by centrifugal pumps or positive displacement pumps, pressurized gas

	cylinders, or a combination of both. The flow of SPLAT GM-O product can be controlled with agricultural-type solenoids. Calibrate applications based on volume output and application speed and swath area treated. Do not apply this product through any type of irrigation system. SPLAT GM-O can also be applied manually using other devices like a metered dosing gun. To ensure proper application, consult your pest control advisor, distributor, or ISCA Technologies, Inc.
<b>POINT SOURCE SIZE, PLACEMENT, AND SPACING</b>	For ground applications, SPLAT GM-O droplet size can be varied depending on pest population and duration of control desired. A dense infestation will require a higher density of point sources to achieve optimal mating disruption. With aerial applications, there is less control over the variation in droplet size and there will be a range from approximately 300 to 2000 microns in size. When SPLAT GM-O is sprayed on the tree canopy at 46 grams per acre (6 grams AI per acre), the range in droplet size will usually be 300 to 1000 microns. This will provide area-wide, season-long management of low-density populations. To ensure proper application, please consult your pest control advisor, distributor, or ISCA Technologies, Inc.
<b>CLEANING EQUIPMENT</b>	Clean equipment with water and citrus or limonene detergents.
<b>STORAGE AND DISPOSAL</b>	
	Do not contaminate water, food or feed by storage and disposal.
<b>PESTICIDE STORAGE</b>	Store product sealed and refrigerated, if possible. If refrigerated, do not store with food. If refrigeration is not available, store product in a cool dry place, out of direct sunlight. Do not exceed 75°F for long-term storage. Avoid freezing. In case of leak or spill, wipe with paper towel and dispose of waste when product hardens.
<b>PESTICIDE DISPOSAL</b>	Wastes resulting from the use of this product may be disposed of on site or at an approved waste facility.
<b>CONTAINER DISPOSAL</b>	Nonrefillable container. Do not refill or reuse this container. Triple rinse (or equivalent) promptly after emptying. Then offer for recycling if available, or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities by burning, if burned, stay out of smoke.
<b>WARRANTY AND LIMITATION OF DAMAGES</b>	
	Read all directions carefully. All statements concerning the use of this product apply only when used as directed. ISCA Technologies warrants that this material conforms to the specifications on the label and is reasonably fit for the intended purpose referred to on the label. To the extent consistent with applicable law, ISCA Technologies makes no other express or implied warranty of merchantability or fitness for a particular purpose or any other express or implied warranty.

ISCA Technologies, Inc. 1230 Spring St, Riverside, CA, 92507 951-686-5008 www.iscatech.com