



S-Methoprene 1.2% IGR Concentrate

MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Equil S-Methoprene 1.2%
IGR Concentrate
DESCRIPTION: A liquid insect growth regulator.
EPA Reg. Number: 87276-7

COMPANY IDENTIFICATION:

Envincio LLC
501 Cascade Pointe Lane, Suite 103
Cary, NC 27513
www.envincio.com

2. COMPOSITION/INFORMATION ON INGREDIENTS

ACTIVE INGREDIENTS	CAS NO.	% COMPOSITION
(S)-Methoprene	65733-16-6	1.2
Chemical Name:	Isopropyl (2E, 4E, 7S)-11-methoxy -3,7,11-trimethyl-2,4-dodecadienoate	
Chemical Formula:	C ₁₉ H ₃₄ O ₃	
Other ingredients:	Petroleum distillates	> 85%

Ingredients not precisely identified are proprietary or non-hazardous. Values are not product specifications.

3. HAZARD IDENTIFICATION

HAZARDS TO HUMANS AND DOMESTIC ANIMALS: Harmful if absorbed through the skin. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing.

4. FIRST AID

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-866-257-4118 for emergency medical treatment information.

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

IF IN EYE: 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 a poison control center or doctor for treatment advice.

IF SWALLOWED: *This product contains petroleum distillates.* Immediately call a poison control center or doctor. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give any liquid to the person. Do not give anything by mouth to an unconscious person.

5. FIRE-FIGHTING MEASURES

FLASH POINT (CLOSED CUP): 145.4°F

FLAMMABLE LIMITS (LFL-UFL): 203°F

FIRE AND EXPLOSION HAZARDS: Combustible liquid.

MEANS OF EXTINCTION: Water fog, foam, dry chemical or CO₂.

FIRE FIGHTING INSTRUCTIONS: Dike and collect any runoff to prevent entry to drains or water bodies.

FIREFIGHTING EQUIPMENT: Self-contained breathing apparatus and full bunker gear.

NFPA RATINGS: Health – 1 / Flammability – 2 / Instability – 0

6. ACCIDENTAL RELEASE MEASURES

Clean up spills immediately observing the precautions in Section 8 of this MSDS. Eliminate ignition sources and control spill at the source and dike spill to prevent material from entering soil, sewers, waterways or low areas. Cover entire spill with absorbing material and place into compatible disposal containers. Once all material is cleaned up and placed in disposal containers, seal the containers and arrange for disposal.

7. HANDLING AND STORAGE

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 clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Wash contaminated clothing before reuse and discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.

Do not contaminate water, food, or feed by storage or disposal. Keep container closed when not in use. Protect from heat or flame.



S-Methoprene 1.2% *IGR Concentrate*

MATERIAL SAFETY DATA SHEET

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Handle only with adequate ventilation. Facilities storing or utilizing this material should be equipped with an eyewash station and a safety shower.

PROTECTIVE CLOTHING: For prolonged exposure, wear protective eyewear, chemical-resistant gloves (such as barrier laminate or butyl rubber or nitrile rubber or viton), long-sleeved shirt and long pants, shoes plus socks.

GENERAL: Remove PPE immediately after handling this product. As soon as possible, wash thoroughly and change into clean clothing. Follow manufacturer's instruction for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

9. PHYSICAL DATA

APPEARANCE: Oily light yellow to amber liquid

ODOR: Faint aliphatic

pH: 5.2 – 5.6 (1% solution)

VISCOSITY: 3.3 centipoise at 24°C; 2.3 centipoise at 41°C

SPECIFIC GRAVITY/BULK DENSITY: 6.84 lbs/gal

10. STABILITY AND REACTIVITY

CONDITIONS TO AVOID: Flame and sparks.

CHEMICAL STABILITY: Stable under normal use and storage conditions.

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition may generate carbon monoxide and dioxide.

INCOMPATIBILITY WITH OTHER MATERIALS: Oxidizing agents.

POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL INFORMATION

DATA FOR (S)-METHOPRENE:

ACUTE ORAL TOXICITY:

Oral LD₅₀ (rat): > 34,000 mg/kg

ACUTE DERMAL TOXICITY:

Dermal LD₅₀ (rat): > 2,000 mg/kg

ACUTE INHALATION TOXICITY:

Inhalation LC₅₀ (rat): > 5.19 mg/L (4-hour)

EYE IRRITANT:

Rabbit – Practically non-irritating

SKIN IRRITATION:

Rabbit – Non-irritating

SENSITIZATION:

Guinea Pig – Not a contact sensitizer

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:

None known.

CARCINOGENICITY:

ACGIH: Not listed

IARC: Not listed

NTP: Not listed

OSHA: Not listed

MUTAGENIC DATA: No evidence of mutagenic effects during in vivo and in vitro assays.

ADDITIONAL DATA: Not known to cause reproductive or birth defects at normal exposure levels.

12. ECOLOGICAL INFORMATION

DATA FOR (S)-METHOPRENE:

AQUATIC TOXICITY:

Rainbow Trout (LC₅₀): 760 ppb

Bluegill Sunfish (LC₅₀): >370 ppb

Daphnia (EC₅₀): 360 ppb



S-Methoprene 1.2% *IGR Concentrate*

MATERIAL SAFETY DATA SHEET

13. DISPOSAL CONSIDERATIONS

Do not contaminate water, food or feed by disposal.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL: Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Refer to the product label for additional container disposal instructions.

14. TRANSPORT INFORMATION

DOT PROPER SHIPPING NAME: Not regulated by DOT.

SEVERE MARINE POLLUTANT: No

15. REGULATORY INFORMATION

FIFRA –

All pesticides are governed under the Federal Insecticide, Fungicide, and Rodenticide Act. The regulatory information presented below is pertinent only when this product is handled outside of the normal use and application as a pesticide.

SARA TITLE III – SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES: Not Listed

SARA TITLE III – SECTION 311/312 HAZARD CATEGORIES: Immediate, Fire

SARA TITLE III – SECTION 312 THRESHOLD PLANNING QUANTITY: Not applicable

SARA TITLE III – SECTION 313 REPORTABLE INGREDIENTS: None

CERCLA – Not applicable

CALIFORNIA PROP 65 STATUS – This product does not contain any chemicals known to the state of California to cause cancer or reproductive toxicity.

16. OTHER INFORMATION

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by CPR.

DISCLAIMER:

Envincio LLC warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks referred to above, when used in accordance with directions under normal use conditions. This warranty does not extend to the use of this product contrary to label instructions, or under abnormal conditions or under conditions not reasonably foreseeable to or beyond the control of Seller or Envincio LLC, and Buyer and User assume the risk of any such use. To the extent consistent with applicable law, ENVINCIO LLC MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.

To the extent consistent with applicable law Envincio LLC or Seller shall not be liable for any incidental, consequential or special damages resulting from the use or handling of this product. To the extent consistent with applicable law, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF ENVINCIO LLC AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF ENVINCIO LLC OR SELLER, THE REPLACEMENT OF THE PRODUCT.

Envincio LLC and Seller offer this product, and Buyer and User accept it, subject to the foregoing Conditions of Sale and Limitation of Warranty and Liability, which may not be modified except by written agreement signed by a duly authorized representative of Envincio LLC.