

# MATERIAL SAFETY DATA SHEET

## AQUAPRENE™ BRIQUETS

**Date Issued:** July 19, 2006  
**Manufacturer:** B2E Biotech LLC  
**Address:** 3330 Noyac Road, Bldg. D-2, Sag Harbor, NY 11963  
**Emergency Phone:** 800-255-3924 (ChemTel, Inc.)  
**Transportation Emergency Phone:** 800-255-3924 (ChemTel, Inc.)  
**For Additional Information Phone:** 888-846-7233

### 1. CHEMICAL PRODUCT INFORMATION

**Product Name:** AQUAPRENE™ BRIQUETS  
**Common Name:** (S)-Methoprene  
**Chemical Name:** Isopropyl (2E,4E,7S)-11-methoxy-3,7,11 trimethyl-2,4-dodecadienoate  
**Chemical Family:** Terpenoid  
**Chemical Formula:** C<sub>19</sub>H<sub>34</sub>O<sub>3</sub>  
**EPA Registration Number:** 75318-9

### 2. COMPOSITION / INFORMATION on INGREDIENTS

<u>Component:</u>	<u>C.A.S. Number:</u>	<u>Percentage:</u>
(S)-Methoprene	65733-16-6	2.5%
Other Ingredients (trade secret and non-hazardous)		97.5%

### 3. HAZARDS INFORMATION

#### PRECAUTIONARY STATEMENT

Caution: Keep out of reach of children. Avoid contact with skin or eyes. May cause moderate eye irritation. In case of contact, immediately flush eyes with plenty of water. Wash thoroughly with soap and water after handling. Get medical attention if irritation persists.

#### SIGNS AND SYMPTOMS OF OVEREXPOSURE

No adverse reactions have resulted from normal human exposure during research and testing.

**PRIMARY ROUTE OF ENTRY:** Skin, Eyes and Accidental Ingestion

**ACUTE TOXICITY** (based on (S)-Methoprene)

**Oral:** LD<sub>50</sub> (rat): >34,000 mg/kg

**Dermal:** Dermal LD<sub>50</sub>: (rabbit) >2000 mg/kg

**Inhalation:** LD<sub>50</sub> (rat): 5.19 mg/L air (4 hr. study)

**OTHER TOXICOLOGICAL** (based on (S)-Methoprene)

**INFORMATION**

**Skin Irritation:** Non-irritating (rabbit)

**Eye Irritation:** Practically non-irritating (rabbit)

**Sensitizer:** Not a sensitizer (guinea pig)

#### 4. FIRST AID MEASURES

- Eyes:** Hold eyelids open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after 5 minutes, and then continue rinsing eyes.
- Skin:** Remove contaminated clothing and wash affected area with soap and water. See a physician if symptoms persist.
- Ingestion:** Drink 1-2 glasses of water and try to induce vomiting. Seek medical attention. Never give anything by mouth to an unconscious person.
- Inhalation:** Not likely due to product form. Remove victim to fresh air. See a physician if cough or other respiratory symptoms develop.
- Note to Physician:** Treat symptomatically

#### 5. FIRE FIGHTING MEASURES

- NFPA Rating:** Health: 0 Fire: 0 Reactivity: 0
- Flammability Class:** N/A
- Flash Point** Does not flash
- Explosive Limits (% of Volume):** Unknown
- Extinguishing Media:** Water, foam, dry chemical
- Special Protective Equipment:** Firefighters should wear full protective clothing and self contained breathing apparatus.
- Fire Fighting Procedures:** Normal procedures. Do not allow run-off to enter waterways inhabited by aquatic organisms.
- Products of Combustion:** None known
- Unusual Fire/Explosion Hazards:** None

#### 6. ACCIDENTAL RELEASE MEASURES

- Steps to be taken:** Sweep up material and place in suitable disposal container. All clean up and disposal should be carried out in accordance with federal, state and local regulations. If required, state and local authorities should be notified.
- Absorbents:** None necessary due to product form.
- Incompatibles:** None known
- For Additional Information:** See Section 15. REGULATORY INFORMATION

#### 7. HANDLING and STORAGE

- Handling:** Avoid contact with skin, eyes or clothing. Avoid breathing dust. Wash thoroughly with soap and water after handling.
- Storage:** Store in a cool, dry place away from other pesticides, food and feed. Keep away from children.

#### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- Exposure Limits:** N/A
- Ventilation:** Use with adequate ventilation.
- Personal Protective Equipment:** Under ordinary use conditions, no special protection is required. If prolonged exposure is expected, it is recommended to wear a MSHA/NIOSH approved organic vapor/pesticide respirator, impervious gloves, chemical goggles or safety glasses with side shields.

## 9. PHYSICAL and CHEMICAL PROPERTIES

<b>Physical State:</b>	Solid
<b>Appearance:</b>	Dark grey briquets
<b>Odor</b>	Slight hydrocarbon odor
<b>Boiling Point:</b>	N/A
<b>Melting Point:</b>	N/A
<b>Vapor Pressure:</b>	N/A
<b>Vapor Density:</b>	N/A
<b>Specific Gravity:</b>	1.59 g/cc
<b>Bulk Density:</b>	N/A
<b>Solubility:</b>	< 1 ppm
<b>Evaporation Rate:</b>	N/A
<b>pH:</b>	N/A

## 10. STABILITY and REACTIVITY

<b>Stability:</b>	Stable
<b>Reactivity:</b>	Non-reactive
<b>Incompatibility w/Other Materials:</b>	None known
<b>Decomposition Products:</b>	None known
<b>Hazardous Polymerization:</b>	Will not occur

## 11. TOXICOLOGICAL INFORMATION

<b>Chronic Toxicity:</b>	Methoprene is not considered an oncogenic compound. The NOEL for non-carcinogenic effects in an 18 month mouse study was 250 ppm.
<b>Acute Toxicity:</b>	See Section 3. Hazards Information
<b>Teratogenicity:</b>	Methoprene is not a teratogenic compound. The NOEL for maternal and embryo toxicity in rabbits was 200 mg/day. The NOEL for reproductive effects in rats was 500 ppm.
<b>Mutagenicity:</b>	Methoprene is not a mutagenic compound

## 12. ECOLOGICAL INFORMATION

<b>ENVIRONMENTAL FATE</b>	(based on RS-Methoprene)
<b>Hydrolysis:</b>	T1/2 >4 weeks
<b>Photolysis:</b>	T1/2 <10 hours
<b>Soil half life:</b>	~ 10 days
<b>Water solubility:</b>	< 2 ppm
<b>ECOTOXICITY</b>	(based on (S)-Methoprene)
<b>Acute Toxicity Fish:</b>	(rainbow trout): 96-hour LC <sub>50</sub> 31.5 ppm.; 96-hour NOEC = 316 ppb
<b>Aquatic Invertebrates:</b>	(daphnia): 24-hour EC <sub>50</sub> = 129 ppb.; 48-hour NOEC = 43.1 ppb
<b>Avian Toxicity:</b>	(northern bobwhite): Dietary LC <sub>50</sub> = >62 ppm. NOEC = 62 ppm.

### 13. DISPOSAL CONSIDERATIONS

Do not contaminate water, food or feed by disposal. **Pesticide Disposal:** Wastes resulting from the use of the product may be disposed of on site or at an approved waste disposal facility. **Container Disposal:** Completely empty product into application equipment. Then dispose of empty container in a sanitary landfill or by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

### 14. TRANSPORT INFORMATION

**DOT49CFR Description:** Not regulated as hazardous by U.S. D.O.T.  
**Freight Classification:** Insecticides, NOI - NMFC 102120  
**UN/NA identification number:** N/A  
**IMO classification:** N/A  
**IATA classification:** N/A

### 15. REGULATORY INFORMATION

**CERCLA (Superfund):** Not regulated  
**RCRA:** Not regulated as hazardous  
**SARA 311/312 Hazard Categories**  
**Immediate Health:** Yes (irritant)  
**Delayed Health:** No  
**Fire:** No  
**Sudden Pressure:** No  
**Reactivity:** No

### 16. OTHER INFORMATION

#### Disclaimer

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