

## MATERIAL SAFETY DATA SHEET

### ZOECON ALTOSID® XR EXTENDED RESIDUAL BRIQUETS

**Manufacturer:** Wellmark International  
**Address:** 1501 East Woodfield Road, Suite 200 West, Schaumburg, IL 60173  
**Emergency Phone:** 1-888-914-2082  
**Transportation Emergency Phone:** CHEMTREC: 1-800-424-9300

#### 1. CHEMICAL PRODUCT INFORMATION

**Product Name:** Zoecon Altosid® XR Extended Residual Briquets  
**Chemical Name/Synonym:** (S)-Methoprene; isopropyl (2E,4E,7S)-11-methoxy-3,7,11-trimethyl-2,4-dodecadienoate  
**Chemical Family:** Terpenoid  
**Formula:** C<sub>19</sub> H<sub>34</sub> O<sub>3</sub>  
**EPA Registration No.:** 2724-421  
**RF Number:** RF-292

#### 2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Component (chemical, common name)</u>	<u>CAS Number</u>	<u>Weight</u>	<u>Tolerance</u>
(S)- Methoprene: Isopropyl (2E,4E,7S)-11-methoxy-3,7,11-trimethyl-2,4-dodecadienoate	65733-16-6	2.1%	Not established
Inert ingredients (non-hazardous and/or trade secret)		97.9%	

#### 3. HAZARD INFORMATION

**PRECAUTIONARY STATEMENT**  
**KEEP OUT OF REACH OF CHILDREN**  
**HAZARDS TO HUMANS AND DOMESTIC ANIMALS – CAUTION**  
**CAUSES MODERATE EYE IRRITATION. HARMFUL IF ABSORBED THROUGH SKIN. AVOID**  
**CONTACT WITH SKIN, EYES, OR CLOTHING. WASH THOROUGHLY WITH SOAP AND**  
**WATER AFTER HANDLING.**

#### SIGNS AND SYMPTOMS OF OVEREXPOSURE

**PRIMARY ROUTE OF ENTRY**    Dermal/Eye: Yes                      Oral: No                      Inhalation: No

**ACUTE TOXICITY**  
**Oral:** No specific hazard identified  
**Dermal:** Harmful if absorbed through skin  
**Inhalation:** No specific hazard identified

#### OTHER TOXICOLOGICAL INFORMATION

**Skin Irritation:** Mild irritating  
**Eye Irritation:** Moderate eye irritant  
**Sensitizer:** Not a skin sensitizer

#### 4. FIRST AID MEASURES

- 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.
  - Call a poison control center or doctor for treatment advice.

- If on skin:**
- 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.

**Note to Physician:** There is no specific antidote. Treatment of overexposure should be directed at the control of symptoms and the clinical condition.

#### 5. FIRE FIGHTING MEASURES

<b>NFPA Rating:</b>	<b>Health: 1</b>	<b>Fire: 0</b>	<b>Reactivity: 0</b>
<b>Flammability Class:</b>	Solid		
<b>Flash Point:</b>	Does not flash		
<b>Explosive Limits (% of Volume):</b>	N/A		
<b>Extinguishing Media:</b>	Water, foam, dry chemical		
<b>Special Protective Equipment:</b>	Firefighters should wear protective clothing, eye protection, and self contained breathing apparatus.		
<b>Fire Fighting Procedures:</b>	Normal procedures. Do not allow run-off to enter waterways inhabited by aquatic organisms.		
<b>Combustion Products:</b>	None known		
<b>Unusual Fire/Explosion Hazards:</b>	None		

#### 6. ACCIDENTAL RELEASE MEASURES

- Steps to be taken:** Sweep up material and place in a container for disposal. Do not allow spill to enter waterways inhabited by aquatic organisms.
- Absorbents:** Not necessary due to product form and packaging
- Incompatibles:** None

#### 7. HANDLING AND STORAGE

- Handling:** Avoid contact with eyes, skin or clothing. Do not remove briquets from container except for immediate use. Avoid breathing dust. Wash thoroughly with soap and water after handling.
- Storage:** Store in a cool, dry place. Do not contaminate food or feed by storage or disposal. Keep away from children.

#### 8. EXPOSURE CONTROL / PERSONAL MEASURES

- Exposure Limits:** Not Applicable
- Ventilation:** Use with adequate ventilation.
- Personal Protective Equipment:** Avoid contact with skin, eyes and clothing. Wash thoroughly with soap and water after handling. Use good Industrial Hygiene practices including protective gloves and eyewear. If prolonged exposure to high levels of dust is expected, approved respiratory protection may be required.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance and Odor:</b>	Grey to black solid with slight hydrocarbon odor.
<b>Boiling Point:</b>	N/A
<b>Melting Point:</b>	N/A
<b>Vapor Pressure (mm Hg):</b>	N/A
<b>Vapor Density (Air = 1):</b>	N/A
<b>Specific Gravity:</b>	1.8492 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
<b>Decomposition Products:</b>	None
<b>Hazardous Polymerization:</b>	Will not occur

## 11. TOXICOLOGICAL INFORMATION

### **ACUTE TOXICITY**

Acute oral toxicity: LD50 >5,100 mg/kg  
Acute dermal toxicity: LD50 >2100 mg/kg  
Acute inhalation: LC50 >5.19 mg/L (S-methoprene)  
Skin irritation: Mild skin irritant  
Eye irritation: Moderate eye irritant  
Not a dermal sensitizer

### **CHRONIC TOXICITY [Based on (RS)-Methoprene Technical]**

(R,S)-Methoprene is not considered a carcinogen. The NOEL for non-carcinogenic effects in an 18 month mouse study was 250 ppm.

### **DEVELOPMENTAL/REPRODUCTIVE TOXICITY [Based on (RS)-Methoprene Technical]**

(R,S)-Methoprene is not a teratogenic compound. The NOEL for maternal and embryotoxicity in rabbits was 200 mg/kg/day. The NOEL for reproductive effects in rats was 500 ppm.

### **MUTAGENICITY [Based on (RS)-Methoprene Technical]**

(R,S)-Methoprene is not a mutagen.

## 12. ECOLOGICAL INFORMATION

### **ENVIRONMENTAL FATE** [Based on (RS)-Methoprene]

**Hydrolysis:** T<sub>1/2</sub> > 4 weeks

**Photolysis:** T<sub>1/2</sub> < 10 hours

**Soil half life:** ~ 10 days

**Water solubility:** 0.52 ppm

### **ECOTOXICITY** [Based on (S)-Methoprene]

**Acute Toxicity:** **fish:** LC<sub>50</sub> (trout): 760 ppb, (bluegill): > 370 ppb ((S)-Methoprene);  
**aquatic invertebrates:** LC<sub>50</sub> (Daphnia): 360 ppb ((S)-Methoprene)  
This product is toxic to aquatic dipteran.

## 13. DISPOSAL CONSIDERATIONS

Wastes resulting from use of this product should be disposed of in accordance with all federal, state and local requirements. For additional regulatory information, see section 15 of this document.

## 14. TRANSPORT INFORMATION

**DOT49CFR Description:** Not regulated as hazardous by D.O.T.

**Freight Classification:** Insecticides, NOI other than poison in boxes or drums. NMFC 102120

## 15. REGULATORY INFORMATION

**CERCLA (Superfund):** Not regulated

**RCRA:** Not regulated as hazardous

### **SARA 311/312 HAZARD CATEGORIES**

**Immediate Health:** Yes (irritation)

**Delayed Health:** No

**Fire:** No

**Sudden Pressure:** No

**Reactivity:** No

*The information presented herein, while not guaranteed, was prepared by technically knowledgeable personnel and to the best of our knowledge is true and accurate. It is not intended to be all inclusive and the manner and conditions of use and handling may involve other or additional considerations.*