

**MATERIAL SAFETY DATA SHEET**  
**ALTOSID® PELLETS**

**Manufacturer:** Wellmark International  
**Address:** 1501 East Woodfield Road, Suite 200W, Schaumburg, IL 60173  
**Emergency Phone:** 1-800-248-7763  
**Supplier:** Wellmark International  
100 Stone Road West, Suite 111, Guelph, ON N1G 5L3  
**Emergency Phone:** 1-800-263-2740  
**Transportation Emergency Phone:** CANUTEC 613-996-6666

**1. CHEMICAL PRODUCT INFORMATION**

**Product Name:** Altosid® Pellets  
**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>  
**PCP Registration No.:** 21809  
**RF Number:** 330

**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	4.25%	Not established
Inert ingredients: (nonhazardous and/or trade secret):		95.75%	
Calcium Sulfate	7778-18-9		15 mg/m3

**3. HAZARD INFORMATION****PRECAUTIONARY STATEMENT**

Caution: Keep out of the reach of children.

**SIGNS AND SYMPTOMS OF OVEREXPOSURE**

No adverse reactions have resulted from normal human exposure during research and testing. Adverse animal reactions to this product have not been shown.

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

**ACUTE TOXICITY**

**Oral:** LD<sub>50</sub> (rat): >34,000 mg/kg (HDT) (Based on (S)-Methoprene)

**Dermal:** LD<sub>50</sub> (rabbit): >2,000 mg/kg (HDT) (Based on (S)-Methoprene)

**Inhalation:** LC<sub>50</sub> (rat) >5.19 mg/L air (Based on (S)-Methoprene)

## OTHER TOXICOLOGICAL INFORMATION

- Skin Irritation:** Non-irritating (rabbit) (Based on (S)-Methoprene)
- Eye Irritation:** Practically non-irritating (rabbit) (Based on (S)-Methoprene)
- Sensitizer:** Not a sensitizer (guinea pig) (Based on (RS)-Methoprene)

## 4. FIRST AID MEASURES

- Eye:** Immediately flush with copious amounts of water for at least 15 minutes. See a physician if irritation persists.
- Skin:** Wash material off with copious amounts of water and soap. Remove contaminated clothing and footwear. 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:** 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:** Combustible solid
- Flash Point:** Does not flash
- Explosive Limits (% of Volume):** N/A
- Extinguishing Media:** Water, foam, dry chemical
- Special Protective Equipment:** Firefighters should wear protective clothing, eye protection, and self contained breathing apparatus.
- Fire Fighting Procedures:** Normal procedures. Do not allow run-off to enter waterways inhabited by aquatic organisms
- Combustion Products:** None known
- Unusual Fire/Explosion Hazards:** 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:** None necessary due to product form and packaging
- Incompatibles:** None

## 7. HANDLING AND STORAGE

- Handling:** Avoid contact with eyes or clothing. Avoid breathing dust. Wash thoroughly with soap and water after handling.
- Storage:** Store closed containers of Altosid pellets in a cool, dry place. Do not contaminate water, food or feed by storage or by.

## 8. EXPOSURE CONTROL / PERSONAL MEASURES

- Exposure Limits:** Calcium Sulfate = 15 mg/m<sup>3</sup> (OSHA PEL & ACGIH TLV)
- 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>Appearance and Odor:</b>	Dark grey to black pellets 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>	1.04 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

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

Methoprene is not considered as an oncogenic compound. The NOEL for non-carcinogen effects in an 18-month mouse study was 250ppm.

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

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]**

Methoprene is not a mutagenic compound.

## 12. ECOLOGICAL INFORMATION

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

<b>Hydrolysis:</b>	T1/2 > 4 weeks ((S)-Methoprene)
<b>Photolysis:</b>	T1/2 < 10 hours ((S)-Methoprene)
<b>Soil half life:</b>	~ 10 days ((S)-Methoprene)
<b>Water solubility:</b>	< 2 ppm ((S)-Methoprene)

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

<b>Acute Toxicity:</b>	fish:LC50 (trout): 760 ppb, (bluegill): > 370 ppb ((S)-Methoprene); <b>aquatic invertebrates:</b> LC50 (Daphnia): 360 ppb ((S)-Methoprene)
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### 13. DISPOSAL CONSIDERATIONS

Waste Disposal:

**Entire contents must be used as per label instructions. Do not reuse this container for any purpose. Follow provincial instructions for any required additional cleaning of the container prior to disposal. Dispose of the container in accordance with provincial requirements. For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency.**

### 14. TRANSPORTATION INFORMATION

TDG Shipping Description	TDG Symbols	Special Shipping Information
<b>Not regulated for transport</b>	<b>N/A</b>	<b>N/A</b>

### 15. REGULATORY INFORMATION

WHMIS Classification	WHMIS Symbols	Statement
<b>Not a controlled product</b>	<b>N/A</b>	<b>This product has been regulated under the Pest Control Products Acts, and is exempt from WHMIS requirements.</b>

Other Regulatory Information:

**N/A**

*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.*