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
Address: 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: C19 H34 O3
PCP Registration No.: 21809
RF Number: 330

2. COMPOSITION / INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Component (chemical, common name)</th>
<th>CAS Number</th>
<th>Weight</th>
<th>Tolerance</th>
</tr>
</thead>
<tbody>
<tr>
<td>(S)-Methoprene: Isopropyl (2E,4E,7S)-11-methoxy-3,7,11-trimethyl-2,4-dodecadienoate</td>
<td>65733-16-6</td>
<td>4.25%</td>
<td>Not established</td>
</tr>
<tr>
<td>Inert ingredients: (nonhazardous and/or trade secret)</td>
<td></td>
<td></td>
<td>95.75%</td>
</tr>
<tr>
<td>Calcium Sulfate</td>
<td>7778-18-9</td>
<td></td>
<td>15 mg/m3</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Dermal/Eye:</th>
<th>Oral:</th>
<th>Inhalation:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
</tr>
</tbody>
</table>

ACUTE TOXICITY

<table>
<thead>
<tr>
<th>Oral:</th>
<th>Dermal:</th>
<th>Inhalation:</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 (rat): &gt;34,000 mg/kg (HDT) (Based on (S)-Methoprene)</td>
<td>LD50 (rabbit): &gt;2,000 mg/kg (HDT) (Based on (S)-Methoprene)</td>
<td>LC50 (rat) &gt;210mg/l air (Based on RS-Methoprene)</td>
</tr>
</tbody>
</table>
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/m3 (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

Appearance and Odor: Dark grey to black pellets with slight hydrocarbon odor.
Boiling Point: N/A
Melting Point: N/A
Vapor Pressure (mm Hg): N/A
Vapor Density (Air = 1): N/A
Specific Gravity: 1.04 g/cc
Bulk Density: N/A
Solubility: 1 ppm
Evaporation Rate: N/A
pH: N/A

10. STABILITY AND REACTIVITY

Stability: Stable
Reactivity: Non-reactive
Incompatibility w/ Other Materials: None
Decomposition Products: None
Hazardous Polymerization: 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]
Hydrolysis: T1/2 > 4 weeks ((S)-Methoprene)
Photolysis: T1/2 < 10 hours ((S)-Methoprene)
Soil half life: ~ 10 days ((S)-Methoprene)
Water solubility: < 2 ppm ((S)-Methoprene)

ECOTOXICITY [Based on (S)-Methoprene]
Acute Toxicity:
fish:LC50 (trout): 760 ppb, (bluegill): > 370 ppb ((S)-Methoprene);
aquatic invertebrates:LC50 (Daphnia): 360 ppb ((S)-Methoprene)
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

<table>
<thead>
<tr>
<th>TDG Shipping Description</th>
<th>TDG Symbols</th>
<th>Special Shipping Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not regulated for transport</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

15. REGULATORY INFORMATION

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

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.