



MATERIAL SAFETY DATA SHEET - ZOECON® ALTOSID PELLETS

Manufacturer: Wellmark International
Address: 1000 Tower Lane, Suite 245, Bensenville, Illinois 60106
Emergency Phone: 1-800-248-7763
Transportation Emergency Phone: CHEMTREC: 1-800-424-9300

Product Name: Zoecon® Altosid Pellets
Chemical Name/Synonym: (S)-Methoprene; isopropyl (2E,4E,7S)-11-methoxy-3,7,11-trimethyl-2,4-dodecadienoate
Cbemical Family: Terpenoid
Formula: C₁₉H₃₄O₃
EPA Registration No.: 2724-448-64833
RF Number: 330

2. COMPOSITION/INFORMATION ON INGREDIENTS

Component (chemical, common name)	NAAG number	Weight	Tolerance
(S)-Methoprene; isopropyl (2E,4E,7S)-11-methoxy-3,7,11-trimethyl-2,4-dodecadienoate	65733-1 6-6	4.25%	Not established
Inert ingredients (nonharmdous and/or trade secret)		95.75%	
Calcium Sulfate	7778-18-9		15 mg/m ³

3. HIAZARD INFORMATION

PRECAUTIONARY STATEMENT - KEEP OUT OF THE REACH OF CHILDREN
CAUTION

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 e s

ACUTE TOXICITY

Oral: LD₅₀ (rat): >5,000 mg/kg (HDT)
(Based on (S)-Methoprene)

Dermal: LD₅₀ (rabbit): >2,000 mg/kg (HDT)
(Based on (S)-Methoprene)

Inhalation: LC₅₀ [rat]: >210 mg/l air
(Bosed on (RS)-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)

Eye: Immediately flush with copious amounts of water for at least 15 minutes. See a physician if irritation persisk.

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 Pbsvicita: Treat smvotomatically

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

Steps to be Taken: Sweep up materiel 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 Altsid pellets in a cool, dry place. Do not contaminate water, food or feed by storage or by.

8. EXPOSURE CONTROL/PERSONAL MEASURES

Exposure **Limits:** Cakium Sulfate = 15 mg/m³ (OSHA PEL & ACGIHTLV)

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.

Specific Gravity: 1.04 g/cc

Boiling Point: N/A

Bulk Density: N/A

Melting Point: N/A

Solubility: 1 ppm

Vapor Pressure (mm Hg): N/A

Evaporation Rate: N/A

Vapor Density (Air = 1): N/A

pH: N/A

Stability: Stable

Decomposition Products: None

Reactivity: Non-reactive

Hazardous Polymerization: Will not occur

Incompatibility with

Other Materials: None

11. TOXICOLOGICAL INFORMATION

CHRONIC TOXICITY [Based on (RS)-Methoprene]

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

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.

ENVIRONMENTAL FATE [Based on (RS)-Methoprene]

Hydrolysis: T_{1/2} > 4 weeks ((S)-Methoprene)

Photolysis: T_{1/2} < 10 hours ((S)-Methoprene)

Soil half Me: ~ 10 days ((S)-Methoprene)

Water solubility: < 2 ppm ((S)-Methoprene)

ECOTOXICITY [Based on (S)-Methoprene]

Acute Toxicity: fish: LC₅₀ (trout); 760 µg/L, (bluegill); >370 µg/L ((S)-Methoprene)

aquatic invertebrates: LC₅₀ (Daphnia); 360 ppb ((S)-Methoprene)

13. DISPOSAL CONSIDERATIONS

Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

14. TRANSPORTATION INFORMATION

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

Freight Classification: Insecticides, NOT other than poison in boxes or drums. NMFC 102 120

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

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.