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MATERIAL SAFETY DATA SHEET - ALTOSID® BRIQUETS

Manufacturer: Wellmark international

Address: 1000 Tower lane, Suite 245, Bensenville, Illinois 60106

Emergency Phone: 1-800-248-7763

Transportation Emergency Pboae: CHEMTREC: 1-800-424-9300

Product Name: Altosid® Briquets

Chemical Name/Synonym: Methoprene: Isopropyl (E,E)-11-methoxy-3,7,11-trimethyl-2,4-dodecadienoate

Chemical Family: Terpenoid

Formula: C 19 H34 O3

EPA Registration No.: 2724-375

RF Number: 433A

2. COMPOSITION/INFORMATION ON INGREDIENTS

Component (chemical, common name)	CAS Number	Weight	Tolerance
Methoprene: isopropyl (E,E)-11-methoxy-3,7,11-trimethyl-2,4-dodecadienoate	40596-69-8	8.62%	Not established
inert ingredients [nonhazardous and/or trade secret]		91.38%	
Calcium Sulfate	7778-18-9		15 mg/m ³

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:** Yes e _____ s _____

ACUTE TOXICITY

(Based on (RS)-Methoprene)

Oral: LD₅₀ (rat): >34,600 mg/kg (HDT)

Dermal: LD₅₀ (rabbit): >3,038 mg/kg (HDT)

Inhalation: LC₅₀ (rat): >210 mg/L air (4 hour) (HDT)

OTHER TOXICOLOGICAL INFORMATION

(Based on (RS)-Methoprene)

Skin Irritation: Non-irritating (rabbit)

Eye Irritation: Non-irritating (rabbit)

Sensitizer: Not a sensitizer (guinea pig)

Eye: Immediately Rush with plenty of water. See a physician if irritation persists.

Skins Wash material off with soap and water. 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

NFPA Rating: **Health:** 0 **Fire:** 0 **Reactivity:** 0

Flammability Class: Combustible solid

Flash Point: Does not Hash

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: Carbon dioxide, carbon monoxide

Unusual Fire/Explosion Hazards: None

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.

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 in a cool, dry place. Do not contaminate food or feed by storage or disposal. Keep away from children.

Exposure Limits: Calcium Sulfate = 5 mg/m³ (OSHA PEL 8 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.

Appearance and Odor: Grey to black solid with slight hydrocarbon odv.

Boiling Point: N/A

Melting Point: N/A

Vapor Pressure (mm Hg): N/A

Vaaar Deasitiv (Air = 1): N/A

Specific Gravity: 1.4 g/cc

Bulk Density: N/A

Solubility: 1 ppm

Evaporation Rate: N/A

pH: N/A

Stability: Stable

Reactivity: Non-reactive

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Other Materials: None

Decomposition Products: None

Haxardous Polymerization: Will not occur

11. TOXICOLOGICAL INFORMATIC

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

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

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

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.

MUTAGENICIN [Based on (RS)-Methoprene Technical]

Methoprene is not a mutagenic compound.

ENVIRONMENTAL FATE [Based on (RS)-Methoprene Technical]

Hydrolysis: T_{1/2} > 4 weeks

Photolysis: T_{1/2} < 10 hours

Soil half Rfe: ~ 10 days

Water solubility: < 2 ppm

ECOTOXICITY [Based on (S)-Methoprene Technical]

Acute Toxicity: fish: LC₅₀ (trout): 700 ppb, (bluegill): >370 ppb

((S)-Methoprene)

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

DISPOSITION/CONSIDERATIONS

Wastes resulting from the use of this product may be disposed of on site or at an approved waste management facility. Triple rinse [or equivalent]. Do not contaminate water when disposing of rinse or equipment washwaters. Then offer for recycling or reconditioning or puncture and dispose of in a sanitary landfill or incineration, 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 Ckssifikator Insecticides, NOI other than poison in boxes or drums. NMFC 102120

CERCLA (Superfund): Not regulated

RCRA: Not regulated as hazardous

SARA 31 1/312 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.