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MATERIAL SAFETY DATA SHEET - **ALTOSID®** XR EXTENDED RESIDUAL **BRIQUETS**

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

1. CHEMICAL PRODUCT INFORMATION

Product Name: 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: C₁₉H₃₄O₃

EPA Registration No.: 2724.42 1

RF Number: 292A

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	65733-1 6-6	2.1%	Not established
Inert ingredients (non-hazardous and/or trade secret)		97.9%	
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 Inhalation* No

ACUTE TOXICITY

Oral: LD₅₀ (rat): >5,000 mg/kg (highest dose level tested)
(Based on (S)-Methoprene)

Dermal: LD₅₀ (rabbit): >2,000 mg/kg (Hot) (highest dose level tested)
(Based on (S)-Methoprene)

Inhalation: LC₅₀ (rat): Not applicable to this product form

OTHER TOXICOLOGICAL INFORMATION

Skin Irritation: Non-irritating (rabbit)
(Based on (S)-Methoprene)

Eye Irritation: Mild/moderate irritation, corneal opacity at 1 hour. All animals clear by 72 hours (rabbit)
(Based on (S)-Methoprene)

Sensitizer: Not a sensitizer (guinea pig)
(Based on (RS)-Methoprene)

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

Skin: 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: Although this is not a primary route of entry, 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 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

Handling: Avoid contact with eyes 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: 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: Grey to black solid 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

plf: N/A

Stability: Stable

Reactivity: Non-reactive

Incompatibility with

Other Materials: None

Decomposition Products: None

Hazardous Polymerization: Will not occur

CHRONIC TOXICITY [Specific to Active Ingredient(s)]

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 [Specific to Active Ingredient(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 [Specific to Active Ingredient(s)]

Methoprene is not a mutagenic compound.

ENVIRONMENTAL FATE [Based on (RS)-Methoprene]

Hydrolysis: T_{1/2} > 4 weeks

Photolysis: T_{1/2} < 10 hours

Soil half life: ~10 days

Water solubility: < 2 ppm

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]
This product is toxic to aquatic dipteran.

Dispose of empty bag in sanitary landfill or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

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

Freight Classification: Insecticides, NOI other than poison in boxes or drums. NMFC 102 120

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.