

MATERIAL SAFETY DATA SHEET
EXTINGUISH™ PROFESSIONAL FIRE ANT BAIT

Manufacturer: Wellmark International
Address: 1501 East Woodfield Road, Suite 200-West Schaumburg, IL 60173
Emergency Phone: 1-800-248-7763
Transportation Emergency Phone: CHEMTREC: 1-800-424-9300

1. CHEMICAL PRODUCT INFORMATION

Product Name: Extinguish™ Professional Fire Ant Bait
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
EPA Registration No.: 2724-475
RF Number: 9605

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	0.50%	Not established
Inert ingredients (nonhazardous) and/or trade secret)		99.50%	

3. HAZARD INFORMATION

PRECAUTIONARY STATEMENT
CAUTION: Keep out of the reach of children. Causes moderate eye irritation. Avoid Contact with eyes or clothing. Wash thoroughly with soap and water after handling.

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:** LD50 (rat) : >34,000 mg/kg (HDT) (Based on (S)-Methoprene).
Dermal: LD50 (rabbit) : >2,000 mg/kg (HDT) (Based on (S)-Methoprene).
Inhalation: LC50 (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 (S)-Methoprene).

4. FIRST AID MEASURES

Eye: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

Skin: Wash material off with copious amounts of water and soap. Remove contaminated clothing and footwear. See a physician if symptoms persist.

Ingestion: Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by poison control center or doctor. Do not 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 ant bait in a cool, dry place. Do not contaminate water, food or feed by storage.

8. EXPOSURE CONTROL / PERSONAL MEASURES

Exposure Limits: OSHA PEL Total dust 15mg/ms.

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.

Extinguish™ Professional Fire Ant Bait

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odor:	Pale Yellow, solid granules with earthy, corn-like odor.
Boiling Point:	N/A.
Melting Point:	N/A.
Vapor Pressure (mm Hg):	N/A.
Vapor Density (Air = 1):	N/A.
Specific Gravity:	N/A.
Bulk Density:	0.31 gm/cc (19 lbs. per cubic foot).
Solubility:	Not Soluble.
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:	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).

13. DISPOSAL CONSIDERATIONS

Wastes resulting from use of this product should be disposed of in accordance with all federal, state and local requirements. For additional regulatory information, see section 15 of this document.

14. TRANSPORT INFORMATION

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

Freight Classification: Insecticides, NOI other than poison in boxes or drums. NMFC 102120.

15. REGULATORY INFORMATION

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.