

SAFETY DATA SHEET



SECTION 1: PRODUCT AND MANUFACTURER INFORMATION

PRODUCT NAME:	RECOMMENDED USE & RESTRICTIONS:	EPA REGISTRATION NO.:	SUPPLIER:	TELEPHONE NO.:
Mammoth Control	A contact and vapor action insecticide, miticide, and fungicide. Should be used weekly to prevent the infestation of various insect and mite species, and to control mildew and botrytis.	25(b) exempt	Mammoth Ag, Inc. PO Box 907 Fort Collins, CO 80522	(970) 567-9301

SECTION 2: HAZARD IDENTIFICATION

SIGNAL WORD:	SYMBOL(S):	HAZARDOUS STATEMENT:	PRECAUTION STATEMENT:
WARNING	None	May be fatal if swallowed and enters airways. May cause an allergic skin reaction. Combustible liquid.	None

SECTION 3: MIXTURE COMPOSITION/INFORMATION ON INGREDIENTS

Substance / mixture:	Synonyms:	CAS No.
Thyme oil (15%), corn oil (55%), lipophilic oleic acid ester poly-glycerol emulsifier (30%)	Biological control agent	Not available

SECTION 4: FIRST-AID MEASURES

WARNING: May be fatal if swallowed and enters airways. May cause an allergic skin reaction. Combustible liquid.

INHALATION:

Non-toxic and no adverse effects expected under typical use conditions. Avoid breathing mist and spray. Exposure to concentrate may cause mild irritation of nasal passages or throat; remove to fresh air. Adequate ventilation should be present when using Mammoth Control over a prolonged period of time. Open windows or ventilate via fan or other air-moving equipment if necessary. Get medical attention if irritation persists.

INGESTION:

May be fatal if swallowed and enters airways. Stomach or intestinal upset may occur. Rinse out mouth and drink water in small sips. Do NOT induce vomiting. Immediately call a poison center/doctor/physician if swallowed.

SKIN CONTACT:

Skin irritation may occur. If on skin, wash with water for at least 15 minutes. If skin irritation or rash occurs, get medical advice/attention. Wear protective clothing and gloves to prevent contact with skin. Wash contaminated clothing before reuse.

EYE CONTACT:

Mild eye irritant. Wear eye protection when handling. Reddening may develop. Immediately rinse the eye with large quantities of cool water; continue 10-15 minutes or until the material has been removed; be sure to remove contact lenses, if present, and to lift upper and lower lids during rinsing. Get medical attention if irritation persists.

MEDICAL CONDITIONS:

No medical conditions are known to be aggravated by exposure to Mammoth Control.

SECTION 5: FIRE-FIGHTING MEASURES

Mammoth Control is stable, not flammable, and will not burn. No special procedures required.

EXTINGUISHING MEDIA:	FLASH POINT/AUTO-IGNITION:	FLAMMABILITY LIMITS:
Use water spray, alcohol-resistant foam, dry chemical, or carbon dioxide.	87.2°C	Not flammable

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:

Dangerous gases are evolved in the event of a fire. Use appropriate extinguishing media for material that is supplying fuel. Keep out of smoke. Fight fire from upwind position. Cool closed containers exposed to fire with water spray. Do not allow run-off from firefighting to enter drains or water courses.

SECTION 6: ACCIDENTAL RELEASE MEASURES

SPILLS AND LEAKS:

Contain the spill to prevent discharges to surface streams or storm sewers.

METHODS FOR CLEAN-UP:

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Collect and transfer the product into a properly labelled and tightly closed container. Clean contaminated floors and objects thoroughly, observing environmental regulations.

SECTION 7: HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING

Protect eyes to prevent contact. Avoid prolonged or repeated exposure to skin. Ensure adequate ventilation. Handle and open container in a manner as to prevent spillage.

CONDITIONS FOR SAFE STORAGE

Store in a cool, dry place and such a manner as to prevent cross contamination with other crop protection products, fertilizers, food, and feed. Store in original container out of direct sunlight and away from hot or cold extremes. Keep out of reach of children. Keep containers sealed until ready for use.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS:	OTHER PRECAUTIONS:	
General mechanical ventilation can be expected to effectively remove and prevent build up of any dust generated from handling this product in a closed environment.	Open wounds or skin surface disruptions should be covered with a chemical resistant patch to minimize absorption risks.	
RESPIRATORY PROTECTION:	Skin:	Eyes:
No respiratory protection required under normal conditions of use.	Avoid skin contact by wearing gloves.	Avoid contact with eyes.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE	Liquid	ODOR	Aromatic thyme	COLOR	Light brown/orange
MELTING POINT	N/A	pH	5.6 – 7.3 at 100%	EVAPORATION RATE	N/A
FREEZING POINT	Approx. -2°C (30°F)	BOILING POINT	100.6°C(212°F)	FLASH POINT	N/A
WATER SOLUBILITY	emulsifiable	FLAMABILITY	Not flammable	VAPOR PRESSURE	N/A
AUTO-IGNITION TEMPERATURE	N/A	PARTITION COEFFICIENT	N/A	VAPOR DENSITY	N/A
DECOMPOSITION TEMPERATURE	N/A	VISCOCITY	N/A	DENSITY	Ca. 0.91 g/mL at 20°C

SECTION 10: STABILITY AND REACTIVITY

CHEMICAL STABILITY:	HAZARDOUS DECOMPOSITION:	HARARDOUS POLYMERIZATION:
This material is chemically stable under normal storage and handling conditions.	No decomposition products expected under normal conditions of use.	Not known to occur.

SECTION 11: TOXICOLOGICAL INFORMATION

CHRONIC TOXICITY:	MUTAGENIC EFFECTS:	TERATOGENIC EFFECTS:	DEVELOPMENTAL TOXICITY:
None known	None known	None known	None known
CARCINOGENIC EFFECTS:	ACUTE EFFECTS ON HUMANS:	EXISTING MEDICAL CONDITIONS AGGRAVATED:	
None known	May cause skin, eye, and respiratory irritation.	Non known	
SENSITIZATION:			
Repeated or prolonged exposure to the substance at concentration above the exposure limits may cause respiratory tract and lung sensitization.			

SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICITY:	ENVIRONMENTAL FATE:
Do not allow to get into surface water, drains, and ground water. Do not contaminate surface or ground water by cleaning equipment or disposal of wastes, including equipment wash water. Apply this product as specified on the label.	No data available regarding the environmental fate or biodegradation.

SECTION 13: DISPOSAL CONSIDERATIONS

EPA WASTE NUMBER:	TREATMENT:
Non-hazardous waste	Dispose of according to all federal, state/provincial and local environmental regulations.

SECTION 14: TRANSPORT INFORMATION

This product is non-hazardous for storage and transport according to the U.S. Department of Transportation. Mammoth Control should be labeled an environmentally hazardous substance, liquid, N.O.S., due to its marine toxicity.	
UN NUMBER:	DANGEROUS GOODS CLASS:
3082 Class 9 Packaging Group III	Non-hazardous

SECTION 15: REGULATORY INFORMATION

US FEDERAL REGULATIONS:
Product Information: This 25(b) product is exempt from registration with the federal Environmental Protection Agency and FIFRA regulations and is considered non-hazardous.

SECTION 16: OTHER INFORMATION

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REVISED:

SUPERCEDES: All previous versions

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