



MATERIAL SAFETY DATA SHEET



SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: AllPro Exotherm Termil

EPA REG. NUMBER: 70-223

PRODUCT NUMBER: 12200

MANUFACTURER: Value Garden Supply

ADDRESS: P.O. Box 585, St. Joseph, MO 64502

MANUFACTURER PHONE: (888) 603-1008

MANUFACTURER FAX PHONE: (952) 884-6149

EMERGENCY PHONE: (800) 858-7378

PRODUCT USE: A special fungicide formulated for use on certain ornamentals. For Commercial Greenhouse use only.

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

<u>INGREDIENTS*:</u>	<u>CAS NO.</u>	<u>% WT</u>	<u>OSHA TWA</u>	<u>OSHA STEL</u>	<u>ACGIH TWA</u>	<u>ACGIH STEL</u>
chlorothalonil	1897-45-6	20.0	NE	NE	NE	NE
dinitrosopentamethylenetetramine	101-25-7	<15.0	NE	NE	NE	NE
calcium silicate	13983-17-0	<30.0	NE	NE	NE	NE

* All ingredients in quantities > 1.0 % (0.1 % for carcinogens or teratogens) that are **potentially** hazardous per OSHA definitions

N/A = not applicable NE = not established

** - As ceiling limit, aerosol

SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Potential health effects.

POTENTIAL HEALTH EFFECTS: This material may be minimally irritating to the skin and moderately irritating to the eyes.

CARCINOGENICITY: IARC, NTP and OSHA do not list AllPro Exotherm Termil as a carcinogen.

SECTION 4: FIRST AID MEASURES

EYES: Flush eyes with plenty of water. Call a physician if irritation persists.

SKIN: Wash with plenty of soap and water. Get medical attention if irritation persists.

INGESTION: If swallowed, promptly drink large amounts of water. Never give liquids to an unconscious person. DO NOT induce vomiting. Get medical attention.

INHALATION: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS: N/A

SECTION 5: FIRE-FIGHTING MEASURES

HAZARDOUS PRODUCTS OF COMBUSTION: hydrogen chloride, carbon monoxide, nitrogen oxides, formaldehyde, nitrosamines

FLASH POINT: N/A



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AUTOIGNITION TEMPERATURE: N/A

EXTINGUISHING MEDIA: CO₂, dry chemical, foam, or water

SPECIAL FIRE FIGHTING PROCEDURES: Use NIOSH/MSHA approved SCBA and bunker gear.

UNUSUAL FIRE AND EXPLOSION HAZARDS: N/A

NFPA HAZARD CLASSIFICATION:

<u>HEALTH</u>	<u>FIRE</u>	<u>REACTIVITY</u>	<u>SPECIFIC</u>
1	0	0	N/A

NFPA HAZARD RATING CODES:

<u>INSIGNIFICANT</u>	<u>SLIGHT</u>	<u>MODERATE</u>	<u>HIGH</u>	<u>EXTREME</u>
0	1	2	3	4

SECTION 6: ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Spills should be vacuumed, containerized and disposed of appropriately (see comments in Section 13). Scrub floor with a detergent solution.

CONTAINMENT: Do not contaminate water

SECTION 7: HANDLING AND STORAGE

HANDLING AND STORAGE: Store away from heat, out of reach of children. Do not contaminate water, food or feed by storage or disposal. Do not freeze. Do not reuse container. Avoid excessive temperatures and direct sunlight.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: In typical applications no engineering controls should be needed.

VENTILATION: NE

RESPIRATORY PROTECTION: In typical applications no engineering controls should be needed; if industrial hygiene surveys show that occupational exposure limits may be exceeded, use NIOSH approved respirator with dust/mist cartridges.

EYE PROTECTION: Recommended to avoid getting material directly into eyes.

SKIN PROTECTION: Protective gloves recommended.

WORK HYGIENIC PRACTICES: N/A

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Off-white

VAPOR PRESSURE (mmHg): N/A

ODOR: None

VAPOR DENSITY (AIR =): N/A

PHYSICAL STATE: Powder

SPECIFIC GRAVITY: N/A

BOILING POINT: NE

DENSITY: N/A

MELTING POINT: 203°C

PARTICAL SIZE: N/A

FREEZING POINT: N/A

AUTO IGNITION: N/A

WATER SOLUBILITY: Insoluble

OTHER SOLUBILITIES: N/A



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SECTION 10: STABILITY AND REACTIVITY

STABILITY: Stable

INCOMPATIBILITY (MATERIALS AND CONDITIONS TO AVOID): Strong bases (alkalines), acids, excessive heat (SELF-REACTIVE - contains dinitrosopentamethylenetetramine which becomes exothermic and decomposes at temperatures slightly above its melting point of 203 Degrees C.)

HAZARDOUS POLYMERIZATION: Will not occur

SECTION 11: TOXICOLOGICAL INFORMATION

ACUTE ORAL EFFECTS: Rat, Oral, LD₅₀ = 4,200 mg/kg

ACUTE DERMAL EFFECTS: Rabbit, Dermal, LD₅₀ = 20,000 mg/kg

CARCINOGENICITY: Non listed per OSHA, NTP or IARC

EYE EFFECTS: N/A

NOTE TO CONSUMERS: Information provided in this section is oriented to medical and public health professionals involved in the assessment and treatment of excessive and/or accidental exposures. In rabbit and rat teratology studies utilizing chlorothalonil and its 4-hydroxy metabolite, no significant teratogenic effects were observed at any dose levels tested under the conditions of the studies.

SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICITY: May be hazardous to aquatic invertebrates. Do not apply directly to water; do not contaminate water by cleaning of equipment or disposal washwaters.

ENVIRONMENTAL FATE: Chlorothalonil: An experimental Koc value of 1,800 indicates low soil mobility.

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: This material (as packaged) is not considered a hazardous waste. Be aware that the waste owner has responsibility for final disposal. Regulations may also apply to empty containers, liners or rinsate. Laws may change or be reinterpreted; state and local regulations may be different from federal regulations. This information applies to materials as manufactured; contamination or processing may change waste characteristics and requirements.

SECTION 14: TRANSPORT INFORMATION

***DOT HAZARD DESCRIPTION:** N/A

DOT PROPER SHIPPING NAME: N/A

DOT HAZARD CLASS: N/A

ID NUMBER: N/A

PACKING GROUP: N/A

LABEL REQUIRED: N/A

(*) U.S Department of Transportation



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SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS: N/A

EPA REGULATIONS: N/A

SARA Title III: **SARA Title III:** Reporting quantity - chlorothalonil - 10,000 lbs

CERCLA RQ: Ethylene glycol - 5,000 lbs.

INDIVIDUAL STATES: States such as Pennsylvania, New Jersey, California, Vermont, Massachusetts and Rhode Island may all have components of this product listed; consult specific state regulatory requirements for additional information.

OSHA REGULATIONS: N/A

SECTION 16: OTHER INFORMATION

This information is provided in good faith, but without express or implied warranty. For additional information, refer to the American Conference of Governmental Industrial Hygienists (ACGIH) documentation of TLV's (Threshold Limit Values) for individual components and the DOT Emergency Response Guidebook.