

MATERIAL SAFETY DATA SHEET

ACEPHATE 90 WSP INSECTICIDE

FOR CHEMICAL EMERGENCY, SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT, CALL CHEMTREC - DAY OR NIGHT 1-800-424-9300

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MANUFACTURED FOR:

LOVELAND PRODUCTS, INC.
P.O. Box 1286 • Greeley, CO 80632-1286

24-Hour Emergency Phone: 1-800-424-9300
Medical Emergencies: 1-866-944-8565
U.S. Coast Guard National Response Center: 1-800-424-8802

PRODUCT NAME: ACEPHATE 90 WSP INSECTICIDE
CHEMICAL NAME: Acephate: (O,S-dimethyl acetylphosphoramidothioate)
CHEMICAL FAMILY: Organophosphate Insecticide
EPA REG. NO.: 34704-862
MSDS Number: 000862-12-LPI

MSDS Revisions: Section 15

Date of Issue: 12/10/12

Supersedes: 01/08/10

2. HAZARDS IDENTIFICATION SUMMARY

KEEP OUT OF REACH OF CHILDREN – CAUTION – Harmful if swallowed. Causes eye irritation. Avoid contact with eyes, skin and clothing. Avoid breathing dust or spray mist. Wash hands thoroughly after handling. Do not allow children or pets to come into contact with treated areas until sprays have dried.

This product is a fine, white powder with rotten cabbage-like odor in a water-soluble bag.

Warning Statements:

NOTES TO PHYSICIAN: Acephate is a cholinesterase inhibitor. Measurement of blood cholinesterase activity may be useful in monitoring exposure but decisions regarding treatment will usually need to be made before test results are available. If signs of cholinesterase inhibition appear, atropine is antidotal. 2-PAM (PROTOPAM) is also antidotal and may be used in conjunction with atropine but should not be used alone.

3. COMPOSITION, INFORMATION ON INGREDIENTS

<u>Chemical Ingredients:</u>	<u>Percentage by Weight:</u>	<u>CAS No.</u>	<u>TLV (Units)</u>
Acephate	90.00	30560-19-1	not listed
Other Ingredients	10.00		

4. FIRST AID MEASURES

If swallowed: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

If in eyes: 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.

If on skin or clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

If inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

FOR A MEDICAL EMERGENCY INVOLVING THIS PRODUCT CALL: 1-866-944-8565. Have the product label or container with you when calling a poison control center or doctor, or going for treatment.

5. FIRE FIGHTING MEASURES

FLASH POINT (°F/Test Method): Not applicable.

FLAMMABLE LIMITS (LFL & UFL): Not applicable.

EXTINGUISHING MEDIA Foam, carbon dioxide, or water spray.

HAZARDOUS COMBUSTION PRODUCTS: Oxides of carbon, oxides of sulphur, oxides of nitrogen, oxides of phosphorous, and water vapor.

SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus with full protective clothing. Evacuate area and fight fire from a safe distance. Minimize the amount of water used for firefighting. Equipment should be completely decontaminated after use.

UNUSUAL FIRE AND EXPLOSION HAZARDS: If water is used to fight fire or cool containers, contain runoff, using dikes to prevent contamination of water supplies. Dusts may form explosive mixtures with air. Avoid using heavy water streams.

6. ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:

Clean up spills immediately. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Vacuum or sweep up material and place in a properly labeled disposal container. Large spills may be neutralized with dilute solutions of soda ash or lime. After removal, flush contaminated area thoroughly with water. Do not allow any material to run off into soil, drainage systems, or bodies of water.

CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

7. HANDLING AND STORAGE

HANDLING: Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing. If pesticide comes in contact with skin, wash off with soap and water.

PESTICIDE STORAGE: Keep pesticide in original container. Do not put concentrate or dilute into food or drink containers. Store in a cool, dry place. Protect from excessive heat. Do not contaminate food or foodstuffs. Do not store or transport near feed or food.

Personal Protective Equipment (PPE): Applicators and other handlers must wear: long sleeved shirt and long pants, waterproof gloves, shoes plus socks, chemical-resistant headgear for overhead exposure. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning and maintaining PPE. If no instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: Use material only in well-ventilated areas. Facilities storing or utilizing this material should be equipped with an eyewash facility and safety shower.

RESPIRATORY PROTECTION: Wear a NIOSH approved dust/mist filtering respirator (approval number prefix TC-21C) when using in an area with inadequate ventilation.

EYE PROTECTION: Chemical goggles or shielded safety glasses.

SKIN PROTECTION: Wear protective clothing: coveralls over long-sleeved shirts and pants, shoes plus socks. Wear waterproof gloves.

	OSHA PEL 8 hr TWA	ACGIH TLV-TWA
Particulates (PNOC**)	15 mg/m ³ (total dust)	not listed

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: Fine, white powder with rotten cabbage-like odor.	SOLUBILITY: 750 g/L
SPECIFIC GRAVITY (Water = 1): 0.400-0.481 g/ml	BULK DENSITY: 25-30 lb/ft ³
VAPOR PRESSURE: Not applicable	BOILING POINT: Not applicable
PERCENT VOLATILE (by volume): Not applicable	EVAPORATION RATE: Not established

Note: These physical data are typical values based on material tested but may vary from sample to sample.
Typical values should not be construed as a guaranteed analysis of any specific lot or as specification items.

10. STABILITY AND REACTIVITY

STABILITY: Stable

CONDITIONS TO AVOID: High temperatures and excess moisture.

INCOMPATIBILITY: Alkaline materials.

HAZARDOUS DECOMPOSITION PRODUCTS: Noxious gases when exposed to alkaline materials. Oxides of carbon, oxides of sulphur, oxides of nitrogen, oxides of phosphorous, and water vapor

HAZARDOUS POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL INFORMATION

Acute Oral LD₅₀ (rat): 1,030 mg/kg	Acute Dermal LD₅₀ (rabbit): >10,000 mg/kg
Eye Irritation (rabbit): Moderate irritation	Skin Irritation (rabbit): Not an irritant
Inhalation LC₅₀ (rat): >60 mg/L (4 hr) [Acephate Technical].	Skin Sensitization (guinea pig): Not a sensitizer

Carcinogenic Potential: None listed in OSHA, NTP, IARC or ACGIH. EPA classifies Acephate as a Group C (possible) human carcinogen: limited evidence of carcinogenicity in animals in the absence of human data.

12. ECOLOGICAL INFORMATION

Acephate is toxic to birds. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Cover or soil-incorporate spills. Acephate is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds if bees are visiting the treatment area. Do not contaminate water by cleaning of equipment or disposal of wash waters.

13. DISPOSAL CONSIDERATIONS

Container Disposal: Non-refillable container. Do not reuse or refill this container. Completely empty bag into application equipment by shaking and tapping sides and bottom to loosen clinging particles. Offer for recycling if available or dispose of empty bag in a sanitary landfill or by incineration. Do not burn, unless allowed by state and local ordinances.

14. TRANSPORT INFORMATION

DOT Shipping Description: NOT REGULATED BY USDOT**U.S. Surface Freight Classification:** INSECTICIDES OR FUNGICIDES, INSECT OR ANIMAL REPELLENTS, NOI, OTHER THAN POISON (NMFC 102120; CLASS: 60)**Consult appropriate ICAO/IATA and IMDG regulations for shipment requirements in the Air and Maritime shipping modes.**

15. REGULATORY INFORMATION

NFPA & HMIS Hazard Ratings:**NFPA**

1	Health	0	Least
1	Flammability	1	Slight
0	Instability	2	Moderate
		3	High
		4	Severe

HMIS

1	Health
1	Flammability
0	Reactivity
J	PPE

SARA Hazard Notification/Reporting**SARA Title III Hazard Category:**

Immediate	<u>Y</u>
Delayed	<u>Y</u>

Fire	<u>N</u>
Reactive	<u>N</u>

Sudden Release of Pressure	<u>N</u>
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Reportable Quantity (RQ) under U.S. CERCLA: Not listed**SARA, Title III, Section 313:** Acephate (CAS: 30560-19-1) 90.0%**RCRA Waste Code:** Not listed**CA Proposition 65:** Not listed.

CAUTION – This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals.

16. OTHER INFORMATION

MSDS STATUS: Section 15 revised**PREPARED BY:** Registrations and Regulatory Affairs**REVIEWED BY:** Environmental Health and Safety

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