

MATERIAL SAFETY DATA SHEET

RAMPART™ FUNGICIDE

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

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

FORMULATED FOR:

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

24-Hour Emergency Phone: 1-800-424-9300
Medical Emergencies: 1-800-301-7976
U.S. Coast Guard National Response Center: 1-800-424-8802

PRODUCT NAME: RAMPART™ FUNGICIDE
CHEMICAL NAME: Mono- and Dipotassium salts of Phosphorous Acid
CHEMICAL FAMILY: Potassium Phosphite Fungicide
EPA REG. NO.: 34704-924
MSDS Number: 000924-06-LPI

MSDS Revisions: New

Date Of Issue: 05/11/06

Supersedes: New

2. HAZARDS IDENTIFICATION SUMMARY

KEEP OUT OF REACH OF CHILDREN – CAUTION – Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling.

This product is a clear, colorless liquid with no odor.

3. COMPOSITION, INFORMATION ON INGREDIENTS

<u>Chemical Ingredients:</u>	<u>Percentage by Weight:</u>	<u>CAS No.</u>	<u>TLV (Units)</u>
Mono- and Dipotassium salts of Phosphorous Acid	53.00	not listed	not established
Other Ingredients	47.00		

4. FIRST AID MEASURES

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.

FOR A MEDICAL EMERGENCY INVOLVING THIS PRODUCT CALL: 1-800-301-7976. 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): >212°F / >100°C (TCC)
FLAMMABLE LIMITS (LFL & UFL): Not established
EXTINGUISHING MEDIA: Dry Chemical, Carbon Dioxide, Foam, Water Class BC, and ABC fire extinguishers
HAZARDOUS COMBUSTION PRODUCTS: Can decompose at high temperatures and release phosphorous oxides and phosphine.
SPECIAL FIRE FIGHTING PROCEDURES: Use water spray to cool containers exposed to fire. Remain upwind. Avoid breathing smoke. Wear self-contained breathing apparatus and full protective gear.
UNUSUAL FIRE AND EXPLOSION HAZARDS: None known

6. ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:

Dike area to prevent contamination of water bodies. Absorb liquid spills with clay or other suitable absorbent. Sweep up absorbed liquids and place in containers for proper disposal. Decontaminate spill area with soap and water; flush spill area with additional water. Check local, state and federal regulations for proper disposal.

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

7. HANDLING AND STORAGE

HANDLING: Wash hands after handling and 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. As soon as possible, wash thoroughly and change into clean clothing.

STORAGE: Store in a tightly closed container in a cool, dry place. Avoid excessive heat and excessive cold. Do not contaminate water, food or feed by storage or disposal.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: Ventilation should be sufficient enough to keep exposure below any applicable TLVs.
RESPIRATORY PROTECTION: Not normally required, if vapors or mists exceed acceptable levels, wear a MSHA/NIOSH approved pesticide respirator that has been properly fit-tested.
EYE PROTECTION: Chemical goggles or shielded safety glasses.
SKIN PROTECTION: Wear protective clothing: coveralls over short-sleeved shirts and short pants, chemical-resistant gloves, and chemical-resistant footwear.

OSHA PEL 8 hr TWA
None established

ACGIH TLV-TWA
None established

Personal Protective Equipment (PPE): Applicators and other handlers must wear: long sleeved shirt and long pants, shoes plus socks and protective eyewear. 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.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: Clear, colorless liquid with no odor. **SOLUBILITY:** Soluble
SPECIFIC GRAVITY (Water = 1): 1.45 g/ml **BULK DENSITY:** 12.10 lbs/gal. **pH:** 6.4
VAPOR PRESSURE: Not established **BOILING POINT:** Not available
PERCENT VOLATILE (by volume): Not applicable **EVAPORATION RATE:** Not available
 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:** None known.
INCOMPATIBILITY: Strong oxidizers and water reactive materials.
HAZARDOUS DECOMPOSITION PRODUCTS: Can decompose at high temperatures and release phosphorous oxides and phosphine.
HAZARDOUS POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL INFORMATION

Acute Oral LD₅₀ (rat): Not established **Acute Dermal LD₅₀ (rabbit):** Not established
Eye Irritation (rabbit): Moderately irritating **Skin Irritation (rabbit):** Not established
Inhalation LC₅₀ (rat): Not established **Skin Sensitization (guinea pig):** Not established
Carcinogenic Potential: None listed in OSHA, NTP, or ACGIH.

12. ECOLOGICAL INFORMATION

For terrestrial uses only. Do not apply directly to water or to areas where surface water is present or in intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment wash waters or rinsate.

13. DISPOSAL CONSIDERATIONS

Do not reuse container. Triple rinse (or equivalent), then offer for recycling at an ACRC site (go to <http://www.acrecycle.org/> for locations) or by reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures allowed by State and local authorities. Do not contaminate water, food or feed by storage or disposal.

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)

15. REGULATORY INFORMATION

NFPA & HMIS Hazard Ratings:		NFPA		HMIS		
	1	Health	0	Least	1	Health
	0	Flammability	1	Slight	0	Flammability
	0	Instability	2	Moderate	0	Reactivity
			3	High	H	PPE
			4	Severe		

SARA Hazard Notification/Reporting

SARA Title III Hazard Category: Immediate Y Fire N Sudden Release of Pressure N
 Delayed N Reactive N

Reportable Quantity (RQ) under U.S. CERCLA: Not listed
SARA, Title III, Section 313: Not listed
RCRA Waste Code: Not listed
CA Proposition 65: Not listed

16. OTHER INFORMATION

MSDS STATUS: New

PREPARED BY: Registrations and Regulatory Affairs

REVIEWED BY: Environmental/ Regulatory Services

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