MATERIAL SAFETY DATA SHEET

ACETAMIPRID 5% DP

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.
24-Hour Emergency Phone: 1-800-424-9300
P.O. Box 1286 • Greeley, CO 80632-1286
Medical Emergencies: 1-800-301-7976
U.S. Coast Guard National Response Center: 1-800-424-8802

PRODUCT NAME: ACETAMIPRID 5 DP

CHEMICAL NAME:
Acetamiprid: 1-[(6-Chloro-3-pyridinyl)methyl]-N-cyano-2-methylacetamidine
CHEMICAL FAMILY: Chloronicotinyl Insecticide
MSDS Number: 000940-06-LPI
MSDS Revisions: New
Date of Issue: 07/21/06
Supersedes: New

2. HAZARDS IDENTIFICATION SUMMARY

KEEP OUT OF REACH OF CHILDREN – CAUTION
– Harmful if swallowed, absorbed through skin, or inhaled. Avoid breathing vapor or spray mist
This product is white to off-white solid powder with faint odor.

3. COMPOSITION, INFORMATION ON INGREDIENTS

Chemical Ingredients:	Percentage by Weight:	CAS No.	TLV (Units)
acetamiprid	5.0%	29333990	not listed
clay	95%	25070090	

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 the poison control center or doctor. Do not give anything by mouth to an unconscious person.
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 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): Not applicable
FLAMMABLE LIMITS (LFL & UFL): Not applicable

EXTINGUISHING MEDIA: Foam, carbon dioxide (CO2), dry chemical, or water spray.
HAZARDOUS COMBUSTION PRODUCTS:
During a fire, toxic and corrosive fumes are emitted.
SPECIAL FIRE FIGHTING PROCEDURES:
Wear self-contained breathing apparatus with full protective clothing. Fight fire from upwind and keep all non-essential personnel out of area.
UNUSUAL FIRE AND EXPLOSION HAZARDS:
If water is used to fight fire and cool the containers, contain run-off by diking to prevent contamination of water supplies. Containers in fire may burst or explode from excessive heat.

6. ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:
Control the spill at its source. Contain the spill to prevent it from spreading, contaminating soil, or entering sewage and drainage systems or any body of water. Clean up spills immediately. Cover entire spill with absorbent material such as sand, silica gel, acid binder, universal binder, or sawdust, scrape up and place into compatible disposal containers. Scrub the spill area with water and detergent. Pick up wash liquid with additional absorbent and place into disposal container. Once all material is cleaned up and placed in a disposal container, seal the container(s) and handle in an approved manner.
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 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.
STORAGE:
Store in a cool place. Do not store in direct sunlight. Protect from freezing temperatures. Do not contaminate water, food or feed by storage or disposal.

Personal Protective Equipment: Applicators and other handlers must wear:
Long sleeved shirt and long pants, shoes plus socks and chemical resistant gloves (such as Nitrile, Butyl, Neoprene, Barrier Laminate, PVC, or Viton®).

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:
Maintain exposure levels below exposure limits through the use of general and local exhaust ventilation. Use product in accordance with product labeling and with the requirements listed in the Worker Protection Standard (WPS),
40CFR Part 170.
RESPIRATORY PROTECTION: If mists or airborne concentrations exceed safe levels, wear a MSHA/NIOSH approved respirator.
EYE PROTECTION: Protective eyewear.
SKIN PROTECTION: Wear protective clothing as indicated in Section 7 (above).

	OSHA PEL 8 hr TWA	ACGIH TLV-TWA
Glycerine (mist)	5 mg/m3 (respirable fraction)	10 mg/m3

9. HYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: White to off-white liquid with faint odor.
SOLUBILITY: Not applicable
pH: 6.5 – 7.5 (neat)
VAPOR PRESSURE: Not established
BOILING POINT: Not established
PERCENT VOLATILE (by volume): Not established
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: None known.
INCOMPATIBILITY: None known.
HAZARDOUS DECOMPOSITION PRODUCTS: Can decompose at high temperatures forming oxides of nitrogen (NOx) and hydrogen chloride (HCl) .
HAZARDOUS POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL INFORMATION

Acute Oral LD50 (rat): 5090 mg/kg
Acute Dermal LD50 (rabbit) :>6,000 mg/kg
Eye Irritation (rabbit):Non-irritating
Skin Irritation (rabbit): Slight irritant
Inhalation LC50 (female rat): 318 mg/L (4 hr).

Skin Sensitization (guinea pig): Not a sensitizer
Carcinogenic Potential: None listed in OSHA, NTP, ACGIH, or IARC.
Target Organs: None listed.

12. ECOLOGICAL INFORMATION

This pesticide is highly toxic to birds and aquatic invertebrates. For terrestrial uses, do not apply directly to water, or to areas where surface water is present or to inter-tidal areas below the mean high water mark. Do not contaminate water when disposing of equipment wash waters. Cover or incorporate spilled treated seeds.

13. DISPOSAL CONSIDERATIONS

CONTAINER DISPOSAL: Contact or your chemical supplier for container return instructions. If container is not returned in accordance with instructions, triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose
of in a sanitary landfill, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke. Do not contaminate water, food or feed by storage or disposal.

14. TRANSPORT INFORMATION

DOT Shipping Description: NOT REGULATED BY US DOT
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		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 __N__ 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