

# MATERIAL SAFETY DATA SHEET

# PRAMITOL® 5PS PELLETTED HERBICIDE

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:** PRAMITOL® 5PS PELLETTED HERBICIDE  
**CHEMICAL NAME:** Prometon: 2,4-bis (isopropylamino)-6-methoxy-s-triazine; Simazine: 2-chloro-4,6-bis (ethylamino)-s-triazine  
**CHEMICAL FAMILY:** Triazine Herbicide  
**EPA REG. NO.:** 66222-23-34704  
**MSDS Number:** 6622223-04b-LPI      **MSDS Revisions:** See section 16      **Date Of Issue:** 07/09/04      **Supersedes:** 05/10/04

## 2. HAZARDS IDENTIFICATION SUMMARY

**KEEP OUT OF REACH OF CHILDREN – WARNING –** Causes substantial but temporary eye injury. Harmful if swallowed, inhaled, or absorbed through skin. Do not get in eyes or on clothing. Avoid contact with skin. Avoid breathing dust. Wear protective eyewear (goggles, face shield, or safety glasses). Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse.

This product is a white pellet 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>
Prometon	5.00	1610-18-0	not listed
Simazine	0.76	122-34-9	not listed
Sodium Chlorate	39.80	7775-09-9	not listed
Sodium Metaborate	40.00	7775-19-1	not listed
Inert ingredients	14.44		

## 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 do so. 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 further 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, the give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.

**NOTE TO PHYSICIAN:** Probable mucosal damage may contraindicate the use of gastric lavage. Treat for circulatory shock, respiratory depression, and convulsions, if needed.

**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 established  
**EXTINGUISHING MEDIA:** Foam, CO<sub>2</sub>, or dry chemical. Soft stream water fog only if necessary.  
**HAZARDOUS COMBUSTION PRODUCTS:** Carbon monoxide and/or carbon dioxide, and other unknown hazardous materials may be formed.  
**SPECIAL FIRE FIGHTING PROCEDURES:** Wear self-contained breathing apparatus with full protective clothing. Fight fire from upwind and keep all non-essential personnel downwind and out of area.  
**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Sodium chlorate is this product can react with material to cause a fire or explosive mixture. If water is used to fight fire and cool the containers, contain run-off by diking to prevent contamination of water supplies.

## 6. ACCIDENTAL RELEASE MEASURES

### STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:

Contain spill. Sweep up and transfer to containers for possible land application according to label use or for proper disposal. Wash the spill with water containing a strong detergent, absorb with pet litter or other absorbent material, sweep up and place in a chemical container and handle in an approved manner. Check local, state and federal regulations for proper disposal. Flush the area with water to remove any residue.

**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 dry place. Do not contaminate water, food or feed by storage or disposal.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**ENGINEERING CONTROLS:** Not normally required.

**RESPIRATORY PROTECTION:** Not normally required; if dusts become excessive, wear a NIOSH approved pesticide respirator with cartridges for pesticides and dust/mist pre-filters.

**EYE PROTECTION:** Chemical goggles or shielded safety glasses.

**SKIN PROTECTION:** Wear protective clothing: long-sleeved shirts and pants, shoes plus socks. Wear rubber or chemical-resistant gloves.

	<b>OSHA PEL 8 hr TWA</b>	<b>ACGIH TLV-TWA</b>
Nuisance Particulates	15 mg/m <sup>3</sup> (total dust)	not listed

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>APPEARANCE AND ODOR:</b> White pellet with no odor.	<b>BULK DENSITY:</b> 58.9 lbs/ft <sup>3</sup>	<b>SOLUBILITY:</b> 750 mg/L
<b>SPECIFIC GRAVITY (Water = 1):</b> 0.9434 g/ml	<b>BOILING POINT:</b> Not applicable	<b>pH:</b> 8-12 (10% solution)
<b>VAPOR PRESSURE:</b> Not applicable	<b>EVAPORATION RATE:</b> Not applicable	
<b>PERCENT VOLATILE (by volume):</b> Not applicable		

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

**INCOMPATIBILITY:** Strong acids, combustibles, and organic compounds.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Reaction of sodium chlorate with acids will release chlorine and chlorine dioxide vapors, which may ignite or explode spontaneously.

**HAZARDOUS POLYMERIZATION:** Will not occur.

**CONDITIONS TO AVOID:** Excessive heat.

**11. TOXICOLOGICAL INFORMATION**

<b>Acute Oral LD<sub>50</sub> (rat):</b> 2,745 mg/kg	<b>Acute Dermal LD<sub>50</sub> (rabbit):</b> >2000 mg/kg
<b>Eye Irritation (rabbit):</b> Severe eye irritant	<b>Skin Irritation (rabbit):</b> Severe irritant
<b>Inhalation LC<sub>50</sub> (rat):</b> 3.727 mg/L (4 hr).	<b>Skin Sensitization (guinea pig):</b> Not established.
<b>Carcinogenic Potential:</b> Not listed by OSHA, IARC, ACGIH or NTP.	

**12. ECOLOGICAL INFORMATION**

Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment wash waters. Simazine is a chemical that can travel (seep or leech) through soil and enter ground water that may be used as drinking water. Simazine has been found in ground water as a result of its use as an herbicide. It is advised that this product not be used in areas where the water table (ground water) is close to the surface and where soils are very permeable.

**13. DISPOSAL CONSIDERATIONS**

Do not reuse containers. Completely empty bag into application equipment then dispose of empty in a sanitary landfill, or by incineration, or, if allowed by state and local regulations, by burning. If burned, stay out of smoke. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. 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:** COMPOUND, TREE OR WEED KILLING, NOI (NMFC 50320, SUB 2:CLASS: 60)

**Consult appropriate ICAO/IATA or IMDG regulations for shipment requirements in the Air or Maritime shipping modes.**

**15. REGULATORY INFORMATION**

<b>NFPA &amp; HMIS Hazard Ratings:</b>		NFPA		HMIS	
2	Health	0	Least	2	Health
0	Flammability	1	Slight	0	Flammability
0	Instability	2	Moderate	0	Reactivity
		3	High	H	PPE
		4	Severe		

**SARA Hazard Notification/Reporting**

<b>SARA Title III Hazard Category:</b>	Immediate	<u>Y</u>	Fire	<u>N</u>	Sudden Release of Pressure	<u>N</u>
	Delayed	<u>Y</u>	Reactive	<u>N</u>		

**Reportable Quantity (RQ) under U.S. CERCLA:** Not listed  
**SARA, Title III, Section 313:** Simazine (CAS: 122-34-9) 0.76%  
**RCRA Waste Code:** Not listed.  
**CA Proposition 65:** Not listed.

**16. OTHER INFORMATION**

**MSDS STATUS:** Format modified to address changes in ANSI Standard Z400.1-2004  
**PREPARED BY:** Registrations and Regulatory Affairs

**REVIEWED BY:** Environmental/ Regulatory Services

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