

MATERIAL SAFETY DATA SHEET

PRAMITOL® 25E 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® 25E HERBICIDE
CHEMICAL NAME: Prometon; 2,4-bis (isopropylamino)-6-methoxy-s-triazine
CHEMICAL FAMILY: Triazine Herbicide
EPA REG. NO.: 66222-22-34704
MSDS Number: 6622222-08-LPI

MSDS Revisions: Sections 7 and 13

Date of Issue: 10/17/08

Supersedes: 08/17/07

2. HAZARDS IDENTIFICATION SUMMARY

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

This product is yellow to amber liquid with an aromatic solvent odor.

3. COMPOSITION, INFORMATION ON INGREDIENTS

Chemical Ingredients:	Percentage by Weight:	CAS No.	TLV (Units)
Prometon	25.00	1610-18-0	not listed
Inert ingredients, including:	75.00		
Aromatic Hydrocarbons		64742-95-6 and 64742-94-5	100 mg/m ³ [^]

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

NOTE TO PHYSICIAN: Contains petroleum distillate; vomiting may cause aspiration pneumonia. 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): 98°F/36.7°C (CC)

FLAMMABLE LIMITS (LFL & UFL): LFL: 1.3%; UFL: 4.9%±0.25% by volume @ 140°F/60°C

EXTINGUISHING MEDIA: Foam, CO₂, or dry chemical. Soft stream water fog only if necessary.

HAZARDOUS COMBUSTION PRODUCTS: Carbon monoxide and/or carbon dioxide. Chlorine and hydrogen chloride 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: This product is flammable material and forms flammable mixtures above 77°F/25°C. 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. Vapors may travel a considerable distance to source of ignition and flash back along vapor trail.

6. ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:

For small spills, absorb with an absorbent material such as pet litter. 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. For large spills: contain liquid by diking the area, keep product out of water supplies. Large spills that soak into ground should be dug up to a depth of 1 to 2 inches, placed in drums and disposed of in accordance with instructions provide under DISPOSAL, section 13 of this MSDS. Any recovered spilled liquid should be similarly collected and disposed of.

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. Do not use, pour, spill, or store near heat or open flame.

STORAGE: Store above 32°F/0°C. Do not use, pour, spill, or store near heat or open flame. Keep out of reach of children and animals. Store in original containers only. Store in a cool dry place and avoid excessive heat. After partial use, replace lids and close tightly. 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 vapors or mists become excessive, wear a NIOSH approved pesticide respirator with cartridges for pesticide vapors.

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.

	OSHA PEL 8 hr TWA	ACGIH TLV-TWA
Xylene (mixed isomers)	435 mg/m ³	434 mg/m ³
n-Butyl Alcohol	300 mg/m ³	61 mg/m ³
Trimethylbenzene	not listed	123 mg/m ³
Cumene	245 mg/m ³ (Skin)	246 mg/m ³
Naphthalene	50 mg/m ³	52 mg/m ³ (Skin)

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: Yellow to amber liquid with an aromatic solvent odor.

SPECIFIC GRAVITY (Water = 1): 0.9346 g/ml

VAPOR PRESSURE: 3.10E-06 mbar @ 20°C (Prometon)

PERCENT VOLATILE (by volume): Not established

BOILING POINT: 248-266°F/120-130°C

EVAPORATION RATE: Not established

SOLUBILITY: Emulsifies

pH: 7-8

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.

CONDITIONS TO AVOID: Excessive heat and fire.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide and/or carbon dioxide, chlorine and hydrogen chloride may be formed in a fire situation.

HAZARDOUS POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL INFORMATION

Acute Oral LD₅₀ (rat): 2,100 mg/kg

Eye Irritation (rabbit): Severe eye irritant

Inhalation LC₅₀ (rat): >2.5 mg/L (4 hr).

Carcinogenic Potential: IARC (3) lists Xylene (mixed isomers) as unclassifiable as to carcinogenicity in humans; ACGIH (TLV-A4) lists Xylene (mixed isomers) as not classifiable as a human carcinogen; ACGIH (TLV-A4) lists Naphthalene as not classifiable as a human carcinogen. Not listed by OSHA or NTP.

Acute Dermal LD₅₀ (rabbit): 2000-2500 mg/kg

Skin Irritation (rabbit): Severe irritant

Skin Sensitization (guinea pig): Not established.

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 used for irrigation or domestic purposes. Do not contaminate water when disposing of equipment wash waters. Apply this material only as specified on the product label.

13. DISPOSAL CONSIDERATIONS

PESTICIDE DISPOSAL: Wastes resulting from use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL: **Non-refillable Container (five gallons or less):** Non-refillable container. Do not reuse or refill this container. Offer for recycling, if available. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. **Non-refillable Container (greater than five gallons):** Non-refillable container. Do not reuse or refill this container. Offer for recycling, if available. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure

two more times. **Refillable Container:** Refillable container. Refill this container with prometon only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. Do not contaminate water, food or feed by storage or disposal.

14. TRANSPORT INFORMATION

DOT Shipping Description: 2X2 ½ GALLON: COMPOUND, WEED KILLING, LIQUID, 3, NA1993, III (XYLENE) ERG GUIDE 128.

DOT Shipping Description: 4X1 GALLON: COMPOUND, WEED KILLING, LIQUID, 3, NA1993, III (XYLENE), LTD QTY ERG GUIDE 128

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. Packaging and classification for these modes of transportation may be more stringent.

15. REGULATORY INFORMATION**NFPA & HMIS Hazard Ratings:****NFPA**

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

HMIS

2	Health
3	Flammability
0	Reactivity
G	PPE

SARA Hazard Notification/Reporting

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

Reportable Quantity (RQ) under U.S. CERCLA: Xylene (mixed isomers) (CAS: 1330-20-7) 100 pounds; Naphthalene (CAS: 91-20-3) 100 pounds; Cumene (CAS: 98-82-8) 5000 pounds; n-Butyl Alcohol (CAS: 71-36-3) 5000 pounds

SARA, Title III, Section 313: 1,2-4 Trimethylbenzene (CAS: 95-63-6): <1.0%; Xylene (mixed isomers) (CAS: 1330-20-7): <1.0%; Cumene (CAS: 98-82-8); n-Butyl Alcohol (CAS: 71-36-3) <1.0%; Ethylene glycol monophenyl ether (CAS: 122-99-6) <1.0%; Naphthalene (CAS: 91-20-3) <1.0%

RCRA Waste Code: Not listed.

CA Proposition 65: Not listed.

16. OTHER INFORMATION

MSDS STATUS: Sections 7 and 13 revised

PREPARED BY: Registrations and Regulatory Affairs

REVIEWED BY: Environmental/ Regulatory Services

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^TWA recommended by solvent manufacturer

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