1. 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: 1-866-944-8565
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: GROUP 5 HERBICIDE
EPA REG. NO.: 66222-22-34704
SDS Number: 6622222-14b-LPI
SDS Revisions: Sections 1, 2, 12, 13, 14, 15
Date of Issue: 10/20/14
Supersedes: 06/26/14

2. HAZARDS IDENTIFICATION

KEEP OUT OF REACH OF CHILDREN – CAUTION / PRECAUCION — Si usted no entiende la etiqueta busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.) Harmful if swallowed or absorbed through skin. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove contaminated clothing and wash clothing before reuse. This product is yellow to amber liquid with an aromatic solvent odor.

3. COMPOSITION, INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Ingredients:</th>
<th>Percentage by Weight:</th>
<th>CAS No.</th>
<th>TLV (Units)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prometon</td>
<td>25.00</td>
<td>1610-18-0</td>
<td>not listed</td>
</tr>
<tr>
<td>Inert ingredients, including</td>
<td>75.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aromatic Hydrocarbons containing:</td>
<td>50.20</td>
<td>64742-95-6</td>
<td></td>
</tr>
<tr>
<td>M-Xylene</td>
<td>4.00</td>
<td>108-38-3</td>
<td>100 ppm</td>
</tr>
<tr>
<td>O-Xylene</td>
<td>4.00</td>
<td>95-47-6</td>
<td>100 ppm</td>
</tr>
<tr>
<td>Ethyl Benzene</td>
<td>1.00</td>
<td>100-41-4</td>
<td>20 ppm</td>
</tr>
<tr>
<td>P-Xylene</td>
<td>1.00</td>
<td>106-42-3</td>
<td>100 ppm</td>
</tr>
<tr>
<td>1,2,4-Trimethylbenzene</td>
<td>11.50</td>
<td>95-63-6</td>
<td>25 ppm</td>
</tr>
<tr>
<td>Cumene</td>
<td>3.00</td>
<td>98-82-8</td>
<td>50 ppm</td>
</tr>
</tbody>
</table>

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, the 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: 1-866-944-8565. 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): 98°F / 36.7°C (TCC)
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 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 SDS. 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 at temperatures above 32°F / 0°C. Combustible. 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  ACIGIH TLV-TWA
Xylene (mixed isomers)  100 ppm  100 ppm
Ethyl Benzene  100 ppm  20 ppm
Trimethylbenzene  not listed  25 ppm
Cumene  50 ppm (Skin)  50 ppm

Personal Protective Equipment (PPE): All mixers, loaders, and other handlers must wear: Long-sleeved shirt, long pants, socks and shoes, and chemical resistant gloves such as Barrier Laminate, Nitrile Rubber > 14 mils, Neoprene Rubber > 14 mils, Viton® > 14 mils. In addition, mixers and loaders supporting motorized ground equipment and handlers cleaning up spills or equipment must wear: Chemical-resistant gloves such as Barrier Laminate, Nitrile Rubber > 14 mils, Neoprene Rubber > 14 mils, Viton® > 14 mils. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry. Discard clothing and other absorbent material that have been drenched or heavily contaminated with the product’s concentrate. Do not reuse them.

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  BULK DENSITY: 7.80 lbs/gal.

VAPOR PRESSURE: 3.10E-06 mbar @ 20°C (Prometon)  BOILING POINT: 248-266°F / 120-130°C

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: Excessive heat and fire.

INCOMPATIBILITY: Strong acids.

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. TOXICLOGICAL INFORMATION

Acute Oral LD₅₀ (rat): 2,100 mg/kg  Acute Dermal LD₅₀ (rabbit): 2000 - 2500 mg/kg
Eye Irritation (rabbit): Severe eye irritant  Skin Irritation (rabbit): Severe irritant
Inhalation LC₅₀ (rat): >2.5 mg/L (4 hr.)  Skin Sensitization (guinea pig): Not established.
Carcinogenic Potential: IARC lists Xylene (o-, m-, p-isomers) IARC-3: unclassifiable as to carcinogenicity in humans; ACIGIH lists Xylene (o-, m-, p-isomers) as TLV-A4: not classifiable as a human carcinogen; IARC lists Ethyl Benzene and Cumene as IARC-2B: Possibly Carcinogenic to Humans; ACIGIH lists Ethyl Benzene as TLV-A3: Confirmed Animal Carcinogen with Unknown Relevance to Humans.
12. ECOLOGICAL INFORMATION

ENVIRONMENTAL HAZARDS: This pesticide may adversely affect non-target plants. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or disposing of equipment washwaters or rinsate.

SUMMARY OF EFFECTS: Prometon:
Practically non-toxic to birds and slightly toxic to aquatic invertebrates and fish.

ECO-ACUTE TOXICITY: Prometon:
Rainbow Trout 96-hour LC₅₀ 19.6 mg/L
Bluegill Sunfish 96-hour LC₅₀ 41.5 mg/L
Daphnia magna 48-hour LC₅₀ 37.5 mg/L
Bobwhite Oral LD₅₀ >2,664 mg/kg
Mallard Oral LD₅₀ 3,158 mg/kg
Bobwhite 8-day Dietary LC₅₀ >5,620 ppm
Mallard 8-day Dietary LC₅₀ >5,620 ppm

ECO-CHRONIC TOXICITY: Prometon:
Fish (Fathead minnow) Early Life Stage MATC 13.7 mg/L
Invertebrate (Daphnia Magna) Life Cycle MATC 4.83 mg/L
Mallard Reproduction NOEC 50 ppm
Bobwhite Reproduction NOEC 175 ppm

13. DISPOSAL CONSIDERATIONS

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

CONTAINER HANDLING: Nonrefillable Container (five gallons or less): Nonrefillable 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. Nonrefillable Container (greater than five gallons): Nonrefillable 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 ¼ 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 (greater than 55 gallons): 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. For final disposal, offer for recycling or reconditioning if appropriate, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

14. TRANSPORT INFORMATION

DOT Shipping Description: 2X2 ½ GALLON: NA1993, COMPOUND, WEED KILLING, LIQUID, 3, III (XYLENE) ERG GUIDE 128
DOT Shipping Description: 4X1 GALLON: NA1993, COMPOUND, WEED KILLING, LIQUID, 3, 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:

<table>
<thead>
<tr>
<th>NFPA</th>
<th>HMIS</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 Health</td>
<td>2 Health</td>
</tr>
<tr>
<td>3 Flammability</td>
<td>3 Flammability</td>
</tr>
<tr>
<td>0 Instability</td>
<td>0 Reactivity</td>
</tr>
<tr>
<td>2 Moderate</td>
<td>G PPE</td>
</tr>
<tr>
<td>3 High</td>
<td></td>
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<tr>
<td>4 Severe</td>
<td></td>
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</tbody>
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SARA Hazard Notification/Reporting

SARA Title III Hazard Category:
Immediate Y Fire Y Sudden Release of Pressure N
Delayed Y Reactive N
Reportable Quantity (RQ) under U.S. CERCLA: P-Xylene (CAS: 106-42-3) 100 pounds; Cumene (CAS: 98-82-8) 5000 pounds
RCRA Waste Code: U239; U055.
CA Proposition 65: WARNING: This product contains chemicals known to the State of California to cause cancer or birth defects or other reproductive harm.

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. Following is the hazard information as required on the pesticide label:

CAUTION
Harmful if swallowed or absorbed through skin.
Causes moderate eye irritation.
Avoid contact with skin, eyes, or clothing.

16. OTHER INFORMATION

MSDS STATUS: Sections 1, 2, 12, 13, 14, 15 revised
PREPARED BY: Registrations and Regulatory Affairs
REVIEWED BY: Environmental Health and Safety

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