

MATERIAL SAFETY DATA SHEET

Lilly Miller® Concentrated Noxall® Total Vegetation Killer, EPA Reg. No. 66222-45-33116

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1. IDENTIFICATION

Product name: Lilly Miller Concentrated Noxall Total Vegetation Killer
Chemical name of active ingredient(s): Prometon: 2,4-bis(isopropylamino)-6-methoxy-s-triazine (CAS #1610-18-0)
Subregistrant: Lilly Miller Brands
PO Box 2289
Clackamas, OR 97015
Phone: 866-866-0301
For fire, spill, and/or leak emergencies, contact Infotrac: Phone: 1-800-535-5053
For medical emergencies and health and safety inquiries, contact Prosar: Phone: 1-877-250-9291

2. COMPOSITION/INFORMATION ON INGREDIENTS

SUBSTANCE/PREPARATION: Preparation

INFORMATION ON HAZARDOUS INGREDIENTS

Material	CAS No.	OSHA PEL	ACGIH TLV	Other	NTP/IARC/OSHA Carcinogen
Prometon (2.2%)	1610-18-0	N/E	N/E	N/E	No

3. HAZARDS IDENTIFICATION

MOST IMPORTANT HAZARDS: Toxic to aquatic organisms

4. FIRST AID

FIRST AID

- 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 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.

Have the product container or label with you when calling a poison control center or doctor or going for treatment.

PROTECTION OF FIRST-AIDERS: Use appropriate protection (see section 8)

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA

SUITABLE: Dry chemical, foam, carbon dioxide

HAZARDOUS THERMAL (DE) COMPOSITION PRODUCTS: Nitrogen oxides

PROTECTION OF FIRE-FIGHTERS: Self-contained breathing apparatus and total protection required in enclosed areas.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: Wear suitable protective clothing

ENVIRONMENTAL PRECAUTIONS: Do not discharge into drains or the environment

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METHODS FOR CLEANING UP: Absorb remainder in sand or other inert material. Dispose of in an authorized waste collection point

7. HANDLING AND STORAGE

HANDLING: Ventilation required

STORAGE: Keep only in the original container. Keep in a cool, dry, well ventilated place away from direct sunlight

PACKAGING MATERIALS

SUITABLE: High density polyethylene extrusion blow containers. Resin-lined metal drums

8. EXPOSURE CONTROLS/PERSONAL PROTECTION:

ENGINEERING MEASURES: Ventilation required

HYGIENE MEASURES: When handling do not eat, drink or smoke. Wash hands thoroughly after handling. Wash clothing separately before re-use

OCCUPATIONAL EXPOSURE LIMITS

COMMON NAME: PROMETON

PERSONAL PROTECTIVE EQUIPMENT

RESPIRATORY SYSTEM: Respiratory protection is not required if good ventilation is maintained.

SKIN AND BODY: Wear suitable protective clothing. Chemical resistant boots

HANDS: Chemical resistant gloves

EYES: Safety goggles or face shield

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

COLOR: White

ODOR: Faint solvent

BOILING POINT: 100° C (Water)

DENSITY: 1.0 ± 0.02 g/ml @ 20°C

VAPOR PRESSURE: Prometon: 0.31 mPa @ 20°C.

SOLUBILITY IN WATER: Prometon: 0.7 g/L @ 22°C.

pH: 6-8 CIPAC,MT 75

FLAMMABILITY: Not flammable

EXPLOSION PROPERTIES: Not explosive

OXIDATION PROPERTIES: Not oxidizing

10. STABILITY AND REACTIVITY

STABILITY: Not subject to polymerization

MATERIALS TO AVOID: Oxidizing agents, acids and alkali

HAZARDOUS REACTIONS: None

HAZARDOUS DECOMPOSITION PRODUCTS: Nitrogen oxides

11. TOXICOLOGICAL INFORMATION

PROPARATION: Based on results of Pramitol 4L

ORAL ACUTE TOXICITY: LD₅₀ (rat)= 3,712 mg/kg

DERMAL ACUTE TOXICITY: LD₅₀ (rabbit) > 5,000 mg/kg

INHALATION ACUTE TOXICITY: LC₅₀ (rabbit)>2.12 mg/L (4 hours)

SKIN IRRITATION: Not irritating (rabbit)

EYE IRRITATION: Mildly irritating (rabbit)

SENSITIZATION: Non-sensitizer (guinea-pig)

COMMON NAME: PROMETON

CHRONIC TOXICITY: Liver effects (mice)

CARCINOGENICITY: EPA: Group D; EU: Not classified; IARC: Not classified

MUTAGENICITY: No effects observed

REPRODUCTION TOXICITY: No effects observed

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12. ECOLOGICAL INFORMATION

COMMON NAME PROMETON

MOBILITY: Soil- Moderately mobile

PERSISTENCE/ DEGRADABILITY:

Soil- The product is highly persistent.
Half-life time (t_{1/2}): 500 days
Degradation is primarily via: microorganisms

ECOTOXICITY

Fish: LC₅₀ (96-hours) Rainbow Trout=19.6 mg/L
LC₅₀ (96-hours) Bluegill Sunfish=41.5 mg/L

Daphnia magna: EC₅₀ (48-hours)=37.5 mg/L

Birds: Bobwhite quail LD₅₀ >2,264 mg/kg
LC₅₀ (8-day feeding) >5,620ppm
Mallard duck LD₅₀= 3,158 mg/kg
LC₅₀ (8-day feeding) >5,620 ppm

Harmful to aquatic organisms. Low toxicity: birds. Non toxic: bees

13. DISPOSAL CONSIDERATIONS:

DISPOSAL METHOD: Dispose of in a pesticide approved landfill or in a chemical incinerator equipped with scrubbers in accordance with national and regional regulations.

14. TRANSPORT INFORMATION:

Not regulated by DOT

NATIONAL TRANSPORT REGULATIONS: No additional national transport regulations are known to the supplier

15. REGULATORY INFORMATION:

CLASSIFICATION: Caution

SARA TITLE III

SECTION 302 Extremely Hazardous Substance: No

SECTION 304 CERCLA Reportable Quantity: No

SECTION 311/312: Acute Health Hazard
Chronic Health Hazard

SECTION 313 Toxic chemicals: No

RCRA Hazardous Wastes: No

TSCA STATUS: Exempt from TSCA

SAFETY PHRASES S13: Keep away from food, drink and animal feeding stuffs

S20/21: When using do not eat, drink, or smoke

S24/25: Avoid contact with skin and eyes

S36/37: Wear suitable protective clothing and gloves

S61: Avoid release to the environment. Refer to special instructions/Safety data sheets

16. OTHER INFORMATION:

MSDS ISSUE DATE: 01-02-02

The information contained herein is given in good faith and is believed to be correct, but no warrant, express or implied, is made. Consult Lilly Miller Brands for further information.