

FOR CHEMICAL EMERGENCY, SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT, CALL CHEMTREC - DAY OR NIGHT 1-800-424-9300

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME Pramitol® 25E

SYNONYMS AND CHEMICAL NAME Prometon: 2,4-Bis (isopropylamino)-6-methoxy-s-triazine
EPA REG. NO.: 66222- 22-34704

COMPANY ID: Platte Chemical Company
P.O. Box 667
Greeley, CO 80632-0667

PHONE #S: Emergency Phone Number: CHEMTREC 1-800-424-9300
Medical Emergency Phone Number: 1-800-301-7976

REVISIONS: Sections 1, 4, 14, 15, and 16

MSDS Number: 6622222-03

Date: 05/16/ 03

Supersedes: 05/22/01

2. COMPOSITION INFORMATION ON INGREDIENTS

	Percent by Weight
Chemical Ingredients: Active Ingredient: Prometon (CAS: 1610-18-0)	25.00
Inert Ingredients:	75.00
1,2,4-Trimethyl benzene (CAS # 95-63-6 - 13%); Xylenes (CAS # 108-38-3 and 95-47-6 - 10%); N-butanol (CAS # 71-36-3 - 10%); Ethylene glycol monophenyl ether (CAS # 122-99-6 - 10%); Ethylbenzene (CAS # 100-41-4 - 2%),	

3. HAZARDS IDENTIFICATION

WARNING: KEEP OUT OF REACH OF CHILDREN

EMERGENCY OVERVIEW: This formulation may cause substantial but temporary eye injury. If swallowed, abdominal pain, nausea, vomiting, gastritis, weakness, headache, or diarrhea can occur. Prolonged exposure may cause respiratory tract irritation and central nervous system depression, resulting in headache, dizziness, blurred vision or nausea. The petroleum solvent in this product can cause chemical pneumonitis if aspirated. The most likely routes of entry are dermal and inhalation.

APPEARANCE & ODOR: This formulation is a yellow to amber liquid with aromatic solvent odor.

WARNING STATEMENTS: Avoid excessive heat and contact with strong acids.

NOTES TO PHYSICIAN – There is no specific antidote for this formulation. Induction of emesis is not recommended due to the large amount of petroleum solvent in this product, which could cause chemical pneumonitis if aspirated. If ingested, lavage stomach, taking care to avoid aspiration of stomach contents into lungs. Check for possible mucosal damage before beginning gastric lavage. If inhaled, observe for delayed onset of pulmonary edema. Treat central nervous system effects symptomatically. Contact with eyes may require specialized ophthalmologic attention. An aqueous solution of activated charcoal can be administered to absorb remaining toxicant.

SYMPTOMS OF ACUTE EXPOSURE: Exposure may cause substantial but temporary eye injury and severe skin irritation. If swallowed abdominal pain, nausea, vomiting, gastritis, weakness, headache, or diarrhea can occur. Prolonged inhalation exposure may cause respiratory tract irritation and central nervous system depression, resulting in headache, dizziness, blurred vision or nausea. The petroleum solvent in this product can cause a chemical pneumonitis if aspirated.

4. FIRST AID MEASURES

IF SWALLOWED: Call a physician to get medical attention; the emergency telephone number is 1-800-301-7976. Have person sip a glass of water if able to swallow. DO NOT INDUCE VOMITING UNLESS TOLD TO DO SO BY A PHYSICIAN. Do not give anything by mouth to an unconscious person.

IF IN EYES: Hold eyes 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 eyes. Call a physician for treatment advice; the emergency telephone number is 1-800-301-7976.

IF ON SKIN: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. If irritation persists seek medical attention; the emergency telephone number is 1-800-301-7976.

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. Get medical attention immediately; the medical emergency telephone number is 1-800-301-7976.

MEDICAL CONDITION (S) LIKELY TO BE AGGRAVATED BY EXPOSURE: Individuals with chronic respiratory disorders or pre-existing dermatitis should use extra care when handling this product.

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% ± 25% by volume @ 60°C
AUTOIGNITION TEMPERATURE:	644°F / 340°C
EXTINGUISHING MEDIA:	Use dry chemical, foam, or CO ₂ .
HAZARDOUS COMBUSTION PRODUCTS:	May include but are not limited to oxides of carbon.
SPECIAL FIRE FIGHTING PROCEDURES:	Wear full protective gear and self-contained breathing apparatus. Evacuate nonessential personnel from the area to prevent human exposure to fire, smoke, fumes, or products of combustion. Prevent use of contaminated buildings, area and equipment until decontaminated.
UNUSUAL FIRE AND EXPLOSION HAZARDS:	This product is a flammable material and forms flammable mixtures above 77°F. Thermal decomposition product may include, but are not limited to, carbon monoxide or carbon dioxide.

6. ACCIDENTAL RELEASE MEASURES

ACTION TO TAKE FOR SPILLS/LEAKS: Wear chemical goggles or a full-face shield, rubber gloves, rubber boots, long-sleeved shirt, long pants, head covering, and a NIOSH-approved full-face chemical cartridge respirator with organic vapor cartridges and pesticide pre-cartridges or a self-contained breathing apparatus (SCBA). For small spills, cover with an absorbent material such as pet litter. Sweep up and place in an approved chemical container. Wash the spill area with water containing a strong detergent, absorb with pet litter or other absorbent material, sweep up and place in a chemical container. Seal the container and handle in an approved manner. Flush the area with water to remove any residue. Do not allow wash water to contaminate water supplies. Check local, state and federal regulations for proper disposal.

7. HANDLING AND STORAGE

STORAGE: Store material in a well-ventilated, secure area out of the reach of children and domestic animals. Store above 32°F. Do not store food, beverage or tobacco products in the storage area.

HANDLING: Prevent eating, drinking, tobacco usage, and cosmetic application in areas where there is a potential for exposure to the material. Always wash thoroughly after handling this product.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION**PERSONAL PROTECTIVE EQUIPMENT:**

EYE PROTECTION: Chemical goggles or face shield.

SKIN PROTECTION: Wear protective clothing: long-sleeved shirts and pants, hat, rubber boots with socks. Wear rubber or impervious gloves.

RESPIRATORY PROTECTION: Avoid breathing dust by wearing NIOSH-approved dust or pesticide respirator.

VENTILATION: Not normally required. If dusts levels exceed the acceptable levels, Wear MSHA/NIOSH approved dust respirator.

	OSHA PEL 8 hr TWA	ACGIH TLV-TWA
Ethylbenzene (CAS: 100-41-4)	435 mg/L	435 mg/L
N-butanol (CAS: 71-36-3)	300 mg/L	61 mg/L
1,2,4-Trimethylbenzene (CAS: 95-63-6)	none established	123 mg/L
Xylene (CAS # 108-38-3 and 95-47-6)	435 mg/L	434 mg/L

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: Yellow to amber-colored liquid with aromatic solvent odor **SOLUBILITY:** Soluble

SPECIFIC GRAVITY (Water= 1): 0.93-0.94 g/ml **BULK DENSITY:** 7.80 lbs/gal. **pH:** 7.0-8.0

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

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

CHEMICAL STABILITY: Stable

CONDITIONS TO AVOID: Strong acids, excessive heat.

HAZARDOUS DECOMPOSITION PRODUCTS: None known

HAZARDOUS POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL INFORMATION

Acute Oral LD₅₀ (rat): 2,100 mg/kg	Acute Dermal LD₅₀ (rabbit): 2,000-2,500 mg/kg
Acute inhalation LC₅₀ (rat): >2.5 mg/L air (4 hour)	Skin Irritation (rabbit): Severely irritating
Eye Irritation (rabbit): Severely irritating	Skin Sensitization: Not available.
Carcinogenic Potential: None listed in OSHA, NTP, IARC or ACGIH	Reproductive Hazard Potential: None observed.
Chronic/Sub chronic Toxicity Studies: Prometon: Liver effects (mice)	Mutagenic Potential: Prometon: None observed.

TOXICITY OF OTHER COMPONENTS: Ethylene Glycol Mono Phenyl Ether: Exposure will result in severe eye irritation and moderate corneal injury. Liver, kidney, thyroid, and blood effects have been observed in animal studies. N-Butanol: Prolonged exposure to N-Butanol may result in drying and cracking of skin from a defatting action. There is evidence that long-term repeated exposure to vapor concentrations greater than 50 ppm may result in some loss of hearing. N-Butanol vapor can cause specific injury to the cornea, Irritation of the skin and respiratory tract may occur with brief exposures. Causes severe irritation to the eyes with lacrimation. Inhalation on NButanol may result in loss of consciousness, headache, dizziness, nausea, drowsiness and vomiting. Petroleum Solvent: The supplier reports that inhalation of high vapor concentration (over 1000 ppm) may cause central nervous system effects such as headache, dizziness, anesthesia and respiratory tract irritation. Surfactants: Small amounts of several surfactants have been reported by the manufacturers to cause skin irritation upon prolonged or repeated contact.

TARGET ORGANS

Active Ingredients:

Prometon: Liver

Inert Ingredients:

Ethylene Glycol Mono Phenyl Ether: Liver, Kidney, Thyroid, Blood, and Eyes

N-Butanol: Respiratory Tract, Inner Ear, Eyes, and Skin

Petroleum Solvent: Respiratory Tract, Central Nervous System, and Skin

Surfactants: Skin

12. ECOLOGICAL INFORMATION

Slightly toxic to fish and other aquatic invertebrates. Practically nontoxic to birds.

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 8-day Dietary LC₅₀ > 5620 ppm

Mallard 8-day Dietary LC₅₀ >5620 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

Environmental Fate: Prometon: Not Available.

13. DISPOSAL CONSIDERATIONS

Do not reuse product containers. Dispose of product containers, waste containers, and residues according to local, state and federal regulations.

Plastic jugs: Triple rinse containers, then offer for recycling at an ACRC site or by reconditioning or puncture and dispose of as hazardous industrial waste or by other procedures approved by local, state and federal regulations.

14. TRANSPORT INFORMATION

DOT Shipping Description: 2X2.5 GAL: COMPOUND, WEED KILLING, LIQUID, 3, NA1993, III (XYLENE) ERG GUIDE 128

4X1 GAL: 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)

15. REGULATORY INFORMATION

NFPA & HMIS Hazard Ratings:

NFPA		HMIS
2 Health	0 Least	2 Health
3 Flammability	1 Slight	3 Flammability
0 Instability	2 Moderate	0 Reactivity
	3 High	HPPE
	4 Severe	

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: Xylene (CAS: 1330-20-7): 100 pounds (1,280 gallons of the product)

SARA, Title III, Section 313: 1,2,4-trimethylbenzene (CAS: 95-63-6): 13%; N-butanol (CAS: 71-36-3): 10%; Ethylene glycol monophenyl ether (CAS: 122-99-6); 10%; Ethylbenzene (CAS: 100-41-4): 2%

RCRA Waste Code: Not listed; Characteristic Waste: Ignitable

CA Proposition 65: Not listed

16. OTHER

MSDS STATUS: Sections 1,4, 14, 15, 16 revised

PREPARED BY: Registrations and Regulatory Affairs

REVIEWED BY: Environmental/ Regulatory Services

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