



# MATERIAL SAFETY DATA SHEET

Universal Crop Protection Alliance LLC  
1300 Corporate Center Curve  
Eagan, MN 55121

In Case of Emergency, Call:  
24 Hour Emergency Number  
CHEMTREC: 800-424-9300

Medical Emergency Contact:  
800-228-5635 Ext. 138

## 1. CHEMICAL IDENTIFICATION

Product Name: Pramitol 25E Product No.: 1140

EPA Signal Word: Danger

EPA Reg. Number: 66222-22-72693

Active Ingredient (%): Prometon (25%) CAS No.: 1610-18-0

Chemical Name: 2,4-bis(isopropylamino)-6-methoxy-s-triazine

Chemical Class: Triazine Herbicide

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

Material	OSHA PEL	ACGIH TLV	Other	NTP/IARC/OSHA Carcinogen
Surfactants	N/E**	N/E	N/E	No
Petroleum Solvent	N/E	N/E	25 ppm*	No
Xylene	100 ppm	100 ppm (STEL=150)	N/E	IARC, 3
O-Xylene	100 ppm	100 ppm(STEL=150)	N/E	IARC, 3
Ethyl Benzene	100 ppm	100 ppm(STEL=150)	N/E	No
1,2,4-Trimethylbenzene	N/E	N/E	N/E	No
N-Butanol	100 ppm	50ppm(Ceiling;Skin)	N/E	No
Ethylene Glycol Mono Phenyl Ether	N/E	N/E	N/E	No
Prometon (25%)	N/E	N/E	N/E	No

\* Recommended by manufacturer

\*\* Not Established

### 3. HAZARDS IDENTIFICATION

**EMERGENCY OVERVIEW:** This product is a flammable material and forms flammable mixtures above 77F. Skin contact severely irritating (rabbit). Eye contact corrosive (rabbit). Yellow to amber liquid. Aromatic solvent odor. There is no specific antidote if this product is ingested.

**Potential Health Effects:** Contact and inhalation of this product should be avoided as it may cause severe irritation and central nervous effects.

**Eye:** Exposure may cause irreversible eye damage.

**Skin:** May cause severe skin irritation

**Ingestion:** If swallowed, may cause abdominal pain, nausea, vomiting, gastritis, weakness, headache or diarrhea.

**Inhalation:** Prolonged inhalation exposure may cause respiratory tract irritation and central nervous system depression, resulting in headache, dizziness, blurred vision and nausea.

**Systemic (other Target Organs) Effects:**

The petroleum solvent in this product can cause a chemical pneumonitis if aspired.

**Physical Properties**

Appearance: Yellow to amber liquid

Odor: Aromatic solvent odor

### 4. FIRST AID MEASURES

If poisoning is suspected, immediately contact a physician, the nearest hospital, or the nearest Poison Control Center. Tell the person contacted the complete product name, and the type and amount of exposure. Describe any symptoms and follow the advice given.

**Ingestion:** DO NOT INDUCE VOMITING. If the victim is fully conscious, immediately give a large amount of water to drink and get medical attention. Never give anything by mouth to an unconscious person.

**Eye Contact:** Immediately rinse eyes with large amount of running water. Hold eyelids apart to rinse the entire surface of the eyes and lids. Do not apply any medicating agents except on advice of a physician.

**Skin Contact:** Wash with plenty of soap and water, including hair and under fingernails. Do not apply any medicating agents except on advice of a physician. Remove contaminated clothing and decontaminate prior to use.

**Inhalation:** Move victim from contaminated area to fresh air. Apply artificial respiration if necessary.

**Notes to Physician:**

There is no specific antidote if this product is ingested.

Induction of emesis is not recommended due to the large amount of petroleum solvent in this product, which could cause chemical pneumonitis if aspired. If ingested, lavage stomach, taking care to avoid aspiration of stomach contents into the lungs.

Check for possible mucosal damage before beginning gastric lavage.

Notes to Physician Cont.

If inhaled, observe the delayed onset of pulmonary edema.

Treat central nervous system effects symptomatically.

Contact with the eyes may require specialized ophthalmologic attention.

An aqueous suspension of activated charcoal can be administered to absorb remaining toxicant.

Medical Condition Likely to be Aggravated by Exposure:

Individuals with chronic respiratory disorders or pre-existing dermatitis should use extra care in handling this product.

## 5. FIRE FIGHTING MEASURES

### **Fire and Explosion**

Flash Point (Test Method): 98F (TCC)

Flammable Limits (% in Air): Lower: 1.3%, Upper: 4.9%  $\pm$  0.25% by volume @ 60C

Autoignition Temperature: 340C

Flammability: Not Applicable

### **Hazardous Combustion Products:**

Thermal decomposition products include, but are not limited to, carbon monoxide or carbon dioxide.

**Extinguishing Media:** Use dry chemical, foam, or CO<sub>2</sub>.

**Fire Fighting Instructions:** 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.

**Protective Equipment for Fire Fighters:** Wear full protective clothing and self contained breathing apparatus.

## 6. ACCIDENTAL RELEASE MEASURES

### **In Case of Spill or Leak:**

Wear chemical goggles or a full-face shield, rubber gloves, rubber boots, long-sleeved shirt, long pants, head covering, and 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 residue. Do not allow the wash water to contaminate water supply.

## 7. HANDLING AND STORAGE

**Precautions to be Taken in Handling and Storage:** Good housekeeping and controlling of dusts are necessary for safe handling of product. No smoking, open flames or sources of ignition in handling and storage area. Wash thoroughly with soap and water after handling. Do not contaminate water, food or feed by storage or disposal. Do not store near heat or open flame. Store in well ventilated, secure area out of reach of children and domestic animals.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

These precautions are suggested for conditions with a high potential for exposure. If handling procedures are such that there is only a low potential for exposure, less protection may be needed. Emergency conditions may require additional precautions.

Eye Contact:	To avoid eye contact wear chemical goggles or full-face shield.
Skin Contact:	Wear rubber gloves, rubber boots, long-sleeved shirt, long pants and head covering.
Inhalation:	Wear NIOSH-approved full-face chemical cartridge respirator with organic vapor cartridges and pesticide pre-cartridges or a supplied-air respirator.
Ingestion:	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.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Yellow to amber liquid
Odor:	Aromatic solvent odor
Boiling Point:	120-130C
Specific Gravity/Density:	7.80 lbs./gallon
pH:	7-8
Solubility in H <sub>2</sub> O:	0.7 g/L @22C for Prometon
Vapor Pressure	3.10E-06 mbar @20C for Prometon

## 10. STABILITY AND REACTIVITY

### Reactivity

Stability:	Stable
Hazardous Polymerization:	Will not occur
Conditions to Avoid:	Strong acids

**Hazardous Decomposition Products:** None known

## 11. TOXICOLOGICAL INFORMATION

### Acute Toxicity/Irritation Studies

Ingestion:	Slightly toxic, Oral LD50 (rat):	2,100 mg/kg body weight
Dermal:	Slightly toxic, Dermal LD50 (rabbit):	2,000-2,500 mg/kg body weight
Inhalation:	Slightly toxic, Inhalation LD50 (rat):	>2.5 mg/L air – 4 hours/
Mutagenicity:	For Prometon, none observed.	

Prometon	None observed
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Prometon	Liver effects (mice)
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Prometon	None observed
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## Ethylene Glycol Mono Phenyl Ether

N-Butanol

Prolonged exposure to N-Butanol may result in drying and cracking of the 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 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 of N-Butanol may result in loss of consciousness, headache, dizziness, nausea, drowsiness, and vomiting.

### Petroleum Solvent

The supplier reports that inhalation of high vapor concentrations (over 1,000 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.

Liver, kidney, thyroid, blood, eyes, respiratory tract, inner ear, central nervous system, skin.

**Summary of Effects:** Prometon is practically nontoxic to birds and slightly toxic to aquatic invertebrates and fish.

Prometon: Rainbow trout 96-hour LC50: 19.6mg/kg.  
Bluegill Sunfish 96-hour LC50: 41.5 mg/kg  
Bobwhite Oral LD50: 2,264 mg/kg  
Mallard oral LD50: 3,158 mg/kg.  
Bobwhite/Mallard Dietarey LC50: >5,600 ppm.

Prometon:	Not Available
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**Disposal Method:** Do not reuse product containers. Dispose of product containers, waste containers, and residues according to local, state, and federal health and environmental regulations.

**DOT Classification:** Compound, Tree or Weed Killing, Liquid (Xylene), Class 3, NA 1993, PGIII

**B/L Freight Classification:** Compound Tree or Weed Killing, N.O.I.

## 15. REGULATORY INFORMATION

**NOTICE:** The information herein is presented in good faith and believed to be accurate as of the issue or revision date shown below. However, no warranty, express or implied, is given. Regulatory requirements are subject to change and may differ from one location to another, it is users responsibility to ensure that its activities comply with federal, state and local laws and regulations.

### SARA Title III Classification

Section 311/312:      Acute Health Hazard  
                                 Chronic Health Hazard  
                                 Fire Hazard

Section 313 chemical(s):

<u>Chemical Name</u>	<u>CAS Number</u>	<u>RQ</u>	<u>% In Product</u>
1,2,4-Trimethylbenzene	95-63-6		
Ethyl Benzene	100-41-4		
O-Xylene	95-47-6		
Xylene	1330-20-7		
N-Butanol	71-36-3		
Ethylene Glycol Mono Phenyl Ether	122-99-6		

**RCRA Classification:** Ignitable, D001

**TSCA Status:** Exempt from TSCA

**CERCLA Reportable Quantity (RQ):** 1,280 gallons (based on Xylene {RQ=100}content in formulation)

## 16. OTHER INFORMATION

### NFPA Hazard Ratings

Health:                    2  
Flammability:           3  
Reactivity:               0

0	Least
1	Slight
2	Moderate
3	High
4	Severe

Issued Date:      August 2, 1999  
Supersedes:      January 20, 1998

**Reference MSDS:** Novartis Crop Protection, Inc., MSDS dated 1/18/99

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