


NFPA HAZARD RATING				U.S. TRANSPORT SUMMARY	
0	Least				4x1 gallon containers qualify for Limited Quantity exception. See Section 14 for full information.
1	Slight	2	Health		
2	Moderate	3	Flammability		
3	High	0	Reactivity		
4	Severe				

SECTION 1: IDENTIFICATION	
Product Name: Pramitol® 25E EPA Registration #: 66222-22-9779 Product ID/Unity #: 10000741, 60318515 Common Name: Prometon herbicide Chemical Description: 2,4-bis (isopropylamino)-6-methoxy-s-triazine Recommended Uses: Agricultural herbicide. See product label for complete list of uses and use sites. Restrictions for Use: See product label for information regarding restrictions on the use of this product.	MEDICAL EMERGENCY TELEPHONE NUMBER: 1-877-424-7452 (24hrs) Non-Emergency Business Inquiries: 1-855-494-6343 Mon – Fri 8am – 5pm (Central Standard Time)
Manufactured For: WINFIELD SOLUTIONS, LLC P. O. Box 64589 St. Paul, MN 55164-0589	
FOR EMERGENCY, SPILL, LEAK, FIRE, EXPOSURE, OR ACCIDENT, CALL: CHEMTREC 1-800-424-9300 (24 hours)	

SECTION 2: HAZARDS IDENTIFICATION
EMERGENCY OVERVIEW: Yellow to amber liquid with an aromatic solvent odor. Causes substantial but temporary eye injury. Harmful if swallowed, absorbed through skin, or inhaled. Flammable liquid.
POTENTIAL HEALTH EFFECTS: Eyes: Causes substantial but temporary eye injury. Skin: Causes severe skin irritation. Inhalation: Prolonged inhalation of mist may cause irritation of the upper respiratory tract and central nervous system depression resulting in headache, dizziness, blurred vision or nausea. Ingestion: Harmful if swallowed. Effects may be abdominal pain, nausea, vomiting, gastritis, weakness, headache or diarrhea. The petroleum solvent in this product may cause a chemical pneumonitis if aspirated. Preexisting Conditions: Preexisting respiratory conditions or skin conditions may be aggravated by exposure. Chronic Health Effects: The active ingredient in this product, prometon, has been shown to have chronic liver effects in mice.
Carcinogenicity NTP: Not listed IARC: Group 2B (Ethyl benzene) OSHA: Not listed
OSHA HCS 2012 CLASSIFICATION: Not determined
SIGNAL WORD: WARNING
HAZARD STATEMENTS: Not determined
Percent of product with unknown toxicity: 0%
PRECAUTIONARY STATEMENTS: Prevention: See Section 8 for personal protective equipment. Response: See Section 4 for first aid information. Storage: See Section 7 for storage information. Disposal: See Section 13 for disposal information.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS		
Ingredient	% (wt)	CAS Reg. #
Prometon	25.0%	1610-18-0
Aromatic Hydrocarbons containing:	50.2%	64742-95-6
M-Xylene	4.0%	108-38-3
O-Xylene	4.0%	95-47-6
Ethyl Benzene	1.0%	100-41-4
P-Xylene	1.0%	106-42-3
1,2,4-Trimethylbenzene	11.5%	95-63-6
Benzene (1-Methylethyl)	3.0%	98-82-8
*Ingredients not specifically listed are non-hazardous and are considered to be confidential business information under 29 CFR 1910.1200(j).		
See Section 8 for exposure limits.		

SECTION 4: FIRST AID MEASURES	
Inhalation:	Remove person from contaminated area to fresh air and assist breathing as needed. Seek medical attention if irritation occurs.
Ingestion:	Seek medical attention or call a poison control center for treatment advice. Do not induce vomiting unless instructed to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.
Eyes:	Flush eyes with clean water for at least 15 minutes. Lift eyelids to facilitate irrigation. If present, remove contact lenses after 5 minutes and continue rinsing. Seek medical attention if irritation persists.
Skin:	Remove contaminated clothing and wash before re-using. Flush skin with water and then wash with soap and water. Seek medical attention if irritation persists.
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 depressions and convulsions, if needed.	

SECTION 5: FIRE FIGHTING MEASURES
Suitable Extinguishing Media: Dry chemical, foam or CO2
Special Fire Fighting Procedures: Wear NIOSH/MSHA approved self-contained breathing apparatus and full bunker gear. Dike area to prevent runoff and contamination of water sources. Dispose of fire control water later. Avoid breathing vapors; keep upwind. Evacuate non-essential 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.
Hazardous Combustion Products: Toxic gases may be formed in a fire situation. Carbon monoxide and other asphyxiates may form as well.
Unusual Fire and Explosion Hazards: This product is a flammable material and forms flammable mixtures above 77°F.

SECTION 6: ACCIDENTAL RELEASE MEASURES
Personal Precautions: Refer to Section 8 for personal protective equipment to be worn during containment and clean-up of a spill involving this product.
Environmental Precautions: Do not allow spilled product to enter sewers or waterways.
Methods for Containment: Contain spilled liquid by diking area with sand or earth. DO NOT use combustible materials such as sawdust.
Methods for Clean-up: Cover contained spill with an inert absorbent material such as sand, vermiculite or other appropriate material. Vacuum, scoop or sweep up material and place in a container for disposal. Do not place spilled material back in original container. Eliminate all ignition sources.
Other Information: Spills of this product may require reporting under the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) as the product contains p-Xylene with a reportable quantity (RQ) of 100 lbs. See Section 15 for additional information.

SECTION 7: HANDLING AND STORAGE

Handling: RECOMMENDATIONS ARE FOR MANUFACTURING, COMMERCIAL BLENDING, AND PACKAGING WORKERS. PESTICIDE APPLICATORS AND WORKERS must refer to the pesticide product label and Directions for Use attached to the product for Agricultural Use Requirements in accordance with the EPA Worker Protection Standard 40 CFR part 170. Ensure adequate ventilation. Immediately clean up spills that occur during handling. Keep containers closed when not in use. Practice good hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics.

Storage: Store in secured cool, dry areas away from children, feed and food products and sources of heat or flame. Protect from freezing. Protect package from physical damage.

Minimum Storage Temperature: 32°F

Other Precautions: Consult Federal, state and local laws and regulations pertaining to storage.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Component:	OSHA PEL	ACGIH TLV	NIOSH REL
M-Xylene (CAS# 108-38-3)	100 ppm (TWA)	100 ppm (TWA) 150 ppm (STEL)	
O-Xylene (CAS# 95-47-6)	100 ppm (TWA)	100 ppm (TWA) 150 ppm (STEL)	
Ethyl Benzene (CAS# 100-41-4)	100 ppm (TWA)	100 ppm (TWA) 125 ppm (STEL)	
P-Xylene (CAS# 106-42-3)	100 ppm (TWA)	100 ppm (TWA) 150 ppm (STEL)	
Benzene (1-methylethyl) (CAS# 98-82-8)	50 ppm (TWA)	50 ppm (TWA)	
1,2,4-Trimethylbenzene (CAS# 95-63-6)		25 ppm (TWA)	

NOTE TO END USERS: PERSONAL PROTECTIVE EQUIPMENT (PPE) AND CLOTHING LISTED IN THIS SECTION IS FOR MANUFACTURING, COMMERCIAL BLENDING AND PACKAGING WORKERS. APPLICATORS AND HANDLERS SHOULD REFER TO THE PESTICIDE PRODUCT LABEL FOR PROPER PERSONAL PROTECTIVE EQUIPMENT (PPE) AND CLOTHING.

Respiratory Protection: Where airborne exposure to concentrations greater than the above listed exposure limits is likely, use a NIOSH approved respirator with cartridges/canisters approved for pesticides and organic vapors.

Engineering Controls: **Local Exhaust:** Provide general or local exhaust ventilation systems to maintain airborne concentrations below OSHA PELs or other specified exposure limits. Local exhaust ventilation is preferred.

Protective Gloves: Wear chemical resistant gloves.

Eye Protection: Wear chemical goggles or safety glasses and full-face shield. Contact lenses are not eye protective devices. An emergency eyewash or water supply should be readily accessible to the work area.

Other Protective Clothing or Equipment: Wear long sleeve shirt, long pants and chemical resistant footwear plus socks to prevent skin exposure. Items which cannot be decontaminated such as shoes, belts, and watchbands should be removed, destroyed and disposed of if they come into contact with product.

Work/Hygienic Practices: Never eat, drink, nor use tobacco in work areas. Practice good hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid	Specific Gravity (H₂O=1):	0.935 (typical)
Vapor Pressure (mm Hg):	Prometon: 3.10E-06 mbar @ 20°C (68°F)	Density (lbs/gallon):	7.80 lbs/gallon (typical)
Vapor Density (Air=1):	Not determined	Melting Point/Freezing Point:	Not determined
Solubility in Water (wt %):	Prometon: 0.7 g/L @ 22°C (71.6°F)	Boiling Point/Range:	120–130°C (248–266°F)
Viscosity:	Not determined	pH:	7.0 – 8.0
Appearance and odor:	Yellow to amber liquid with an aromatic solvent odor	Flash Point:	36.7°C (98°F) (TCC)

SECTION 10: STABILITY AND REACTIVITY

Reactivity: None known
Chemical Stability: Product is stable at ambient temperature and pressure, under normal storage and handling conditions.
Possibility of Hazardous Reactions: Will not occur.
Conditions to Avoid: High temperatures, sources of ignition, flame
Incompatible Materials: Strong acids
Hazardous Decomposition Products: Thermal decomposition products may include, but are not limited to, carbon monoxide or carbon dioxide.

SECTION 11: TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

Eye Effects: Causes severe irritation.
Skin Effects: Causes severe irritation. LD50 = 2,100 – 2,500 mg/kg (rabbit)
Acute Inhalation Effects: LC50 > 2.5 mg/L (4-hours)(rat)
Acute Oral Effects: LD50 = 2,100 mg/kg (rat)
Specific Target Organ Prometon: liver
Toxicity: Petroleum solvent: respiratory tract, central nervous system, skin
 Surfactants: skin

CHRONIC TOXICITY

Chronic Effects: Prometon has been shown to have chronic liver effects in mice.
Carcinogenicity: Ethyl benzene is reasonably anticipated to be a human carcinogen.
Mutagenicity: None known
Teratogenicity: None known
Reproductive Toxicity: None known

POTENTIAL HEALTH EFFECTS:

Eyes: Causes substantial but temporary eye injury.
Skin: Causes severe skin irritation.
Inhalation: Prolonged inhalation of mist may cause irritation of the upper respiratory tract and central nervous system depression resulting in headache, dizziness, blurred vision or nausea.
Ingestion: Harmful if swallowed. Effects may be abdominal pain, nausea, vomiting, gastritis, weakness, headache or diarrhea. The petroleum solvent in this product may cause a chemical pneumonitis if aspirated.

SECTION 12: ECOLOGICAL INFORMATION

ENVIRONMENTAL SUMMARY: This pesticide is toxic to fish and terrestrial invertebrates. 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 used for irrigation or domestic purposes. Do not contaminate water when disposing of equipment wash waters. Apply this product only as specified on this label. Practically non-toxic to birds.

ECOTOXICITY DATA:

Fish Acute and Prolonged Toxicity: Prometon: Rainbow Trout (96 hour) LC50 = 19.6 mg/L
 Bluegill Sunfish (96 hour) LC50 = 41.5 mg/L
Aquatic Invertebrate Acute Toxicity: Prometon: *Daphnia magna* (48 hour) LC50 = 37.5 mg/L
Aquatic Plant Toxicity: Not determined
Bird Acute and Prolonged Toxicity: Prometon: Bobwhite Quail Oral LD50 >2,264 mg/kg
 Mallard Duck Oral LD50 = 3,158 mg/kg
 Bobwhite Quail 8-day Dietary LC50 >5,620 ppm
 Mallard Duck 8-day Dietary LC50 >5,620 ppm
Honeybee Toxicity: Not determined

ENVIRONMENTAL EFFECTS:

Soil Absorption/Mobility: Not determined
Persistence and degradability: Not determined
Bioaccumulative Potential: Not determined
Other adverse effects: Not determined

SECTION 13: DISPOSAL CONSIDERATIONS	
Waste:	Dispose of in accordance with applicable Federal, state and local laws and regulations.
Container:	Triple rinse and recycle the container or dispose of in accordance with Federal, state and local laws and regulations.
	See pesticide product label for full instructions on disposal.
RCRA Characteristics:	It is the responsibility of the individual disposing of this product to determine the RCRA classification and hazard status of the waste. If disposed of as purchased, the following code may apply: D001 due to the flash point.

SECTION 14: TRANSPORT INFORMATION	
	NA1993, Compounds, Weed Killing, Liquid (contains aromatic solvent), 3, PG III
DOT: (Ground)	Note: The 4 x 1 gallon package size qualifies for Limited Quantity classification and is for domestic surface/ground shipments only. Limited Quantity shipments are exempted from the shipping paper, proper shipping name and identification number package marking requirements and placarding per 49 CFR 172.200(b)(3), 172.315(a) and 172.500(b)(3) .
IMDG: (Sea)	Not determined
IATA: (Air)	Not determined
TDG: (Canada)	Not determined

SECTION 15: REGULATORY INFORMATION	
TSCA Inventory: This product is exempt from TSCA inventory listing requirements as it is solely for FIFRA regulated use.	
SARA Title III Information:	
Section 302 – Extremely hazardous substances:	None listed
Section 311/312 – Hazard Categories:	Immediate (Acute), Delayed (Chronic), Fire
Section 313 – The following chemicals are subject to the reporting requirements of Section 313 of Title III, Superfund Amendments and Reauthorization Act of 1986 and 40 CFR 372:	
	1,2,4-Trimethylbenzene (CAS #95-63-3) 11.5%
	M-Xylene (CAS #108-38-3) 4.0%
	Ethyl Benzene (CAS #100-41-4) 1.0%
	O-Xylene (CAS #95-47-6) 4.0%
	P-Xylene (CAS #106-42-3) 1.0%
	Benzene (1-methylethyl) (CAS# 98-82-8) 3.0%
CERCLA – This product contains the following chemicals which have a reportable quantity (RQ) under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA):	
	P-Xylene (CAS #106-42-3) has an RQ of 100 lbs, reached with 1,280 gallons of product.
	M-Xylene (CAS #108-38-3), O-Xylene (CAS #95-47-6) and Ethyl benzene (CAS #100-41-4) have RQ's of 1,000 lbs reached with 3,205 gallons of product.
	Benzene (1-methylethyl) (CAS #98-82-8) has an RQ of 5,000 lbs (not reached with any practical quantity of product)
EPA Registration Information: This chemical is a pesticide product registered by the 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, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:	
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.	

Continued on next page

California Proposition 65: WARNING: This product contains a chemical known to the state of California to cause cancer and/or reproductive harm.

U.S. State Worker and Community Right-To-Know (RTK) Information (CT, IL, MA, MN, NH, NJ, PA, RI):

Chemical Name	CAS #	State(s)
M-Xylene	108-38-3	MA, NJ, PA, RI
O-Xylene	95-47-6	MA, NJ, PA, RI
Ethyl benzene	100-41-4	MA, MN, NJ, PA, RI
P-Xylene	106-42-3	MA, NJ, PA, RI
1,2,4-Trimethylbenzene	95-63-6	MA, NJ, PA, RI
Benzene (1-methylethyl)	98-82-8	MA, MN, NJ, PA, RI

Canadian Domestic Substances List: Not determined

WHMIS Classification: This product is not approved for use in Canada. WHMIS classification is not determined.

SECTION 16: OTHER

Disclaimer: The information presented herein is based on available data from reliable sources and is correct to the best of WinField Solutions' knowledge. WinField Solutions, LLC makes no warranty, express nor implied, regarding the accuracy of the data or the results obtained from the use of this product. Nothing herein may be construed as recommending any practice or any product in violation of any law or regulations. The user is solely responsible for determining the suitability of any material or product for a specific purpose and for adopting any appropriate safety precautions. We disclaim all liability for injury or damage stemming from any improper use of the material or product described herein.

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Sections Revised: All