

**HIGH
PERFORMANCE**

POST EMERGENT CONTACT HERBICIDE NON - SELECTIVE

POST EMERGENT CONTACT HERBICIDE kills most plants on contact. This versatile formula can be used as a large area treatment spot killer or "chemical edger" around sidewalks, athletic fields, fence rows, etc. Because it inactivated upon contact soil, it will only kill plants sprayed with the product. Ideal for weed control around decorative plants and shrubs.

- FAST KILL OF UNWANTED GRASS & WEED
- WATER DILUTABLE CONCENTRATE FOR MAXIMUM ECONOMY
- HERBICIDAL INGREDIENT IS INACTIVATED ON CONTACT WITH SOIL

DIRECTIONS

KILLS MOST ALL FORMS OF PLANT GROWTH WITHOUT DAMAGE TO THE SOIL

General vegetation control around buildings and other non-crop areas, ornamental gardens, walkways, patios, storage areas, beneath greenhouse benches, fence lines, golf courses, parkways, driveways, ditches, sand traps and similar areas where any type of vegetation is undesirable. Controls broadleaf weeds, brush and grasses. Kills most every type of plant life on contact - it kills through the leaves only. **THIS PRODUCT IS INACTIVATED ON CONTACT WITH SOIL.** Absorption and herbicidal action is usually quite rapid with effects visible in a few days

General weed control in shrub areas: This product will not injure desirable plants as long as spray does not come in contact with leaves of these plants. It becomes inactivated on contact with soil, and is not absorbed through roots. This herbicide is not residual will not prevent seeds from sprouting or new growth from occurring.

Spot weed control in lawns and other areas: This product will kill undesirable grasses in lawns if these grasses are spot sprayed.

GOLF COURSES, DRIVEWAYS & PATIOS, WALKWAYS, ORNAMENTAL GARDENS, FENCEROWS, AND OTHER NON-CROP AREAS

Use 2 1/2 gallons per 20 gallons of water (16 ounces per gallon of water). Apply as a directed spray to thoroughly wet the weeds. For best results, use a non-ionic surfactant in the spray mixture. Application may be made at any time of the growing season. Repeat applications as necessary. Do not water treated areas for 24 to 36 hours after application. Avoid spray contact with food crops or ornamental plants. Wash sprayer immediately after application with detergent and water, then rinse with clear water. Do not apply this product through any type of irrigation system.

SPECIFICATION DATA:

Form.....	Liquid
Color	Brown
Odor	Bland
pH	N/A
Specific Gravity	1.02± 0.03gm/ml
Flash Point	None
Active Ingredient	6,7-Dihydrodipyrido (1,2-a;2:1'c) pyrazine dibromide (Diquat Dibromide)
Solubility in Water	Negligible
Volatile Content	Greater than 80%
Shelf Life @ 70°F.	Indefinite

HP Products Corp.

4220 Saguaro Trail • Indianapolis, IN 46268
317-298-9950 • 800-382-5326
St. Louis, MO • Dayton, OH • South Bend, IN • Evansville, IN

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MATERIAL SAFETY DATA SHEET

SECTION I - IDENTITY AND MANUFACTURER'S INFORMATION

Manufacturer's Name: **HP Products Corp.** Product Name: **POST EMERGENT CONTACT HERBICIDE**
 Address: **4220 Saguaro Trail Indianapolis, IN 46268** Date Prepared: **12-18-91**
 Emergency Telephone No. and Other Information Calls: **(317) 298-9950 or (800) 382-5326** Prepared by: **Regulatory Affairs Department**

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Hazardous Components Specific Chemical Identity: Common Name(s)	CAS No.	OSHA PEL	ACGIH TLV	Other Limits Recommended	% Optional
Diquat Dibromide	85-00-7	0.5 mg/m ³	N/A	N/A	1.85

THIS PRODUCT CONTAINS NO CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS FOR SECTION 313 OF TITLE III OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 AND 40 CFR PART 372

HMS RATING - HEALTH: 1 FLAMMABILITY: 0 REACTIVITY: 0 PERSONAL PROTECTION EQUIPMENT: F.

SECTION III - PHYSICAL / CHEMICAL CHARACTERISTICS

Boiling Point: 212°F	Specific Gravity:(H ₂ O = 1): 1.01
Vapor Pressure: N/E	Percent Volatile By Volume (%): Greater than 90%
Vapor Density (Air = 1): less than 1.0	Evaporation Rate (Ether = 1): Greater than 1.0
Solubility in Water: Soluble	Appearance and Odor: Dark Brown Liquid/Acid Odor

SECTION III - FIRE AND EXPLOSION HAZARD DATA

Flash Point(Method Used) - None (Set/flash)	Flammable Limits: LEL-N/A UEL-N/A
Extinguishing Media - Water Fog, Foam or Carbon Dioxide	

Special Fire Fighting Procedures: Firefighters must wear full protective equipment including self contained breathing apparatus.

Unusual Fire and Explosion Hazard: None.

SECTION V - PHYSICAL HAZARDS

Stability: Unstable Stable X	Conditions to Avoid: None
Incompatibility (Materials to Avoid) - Strong Alkalies, Oxidizing Agents.	
Hazardous Decomposition Products or By-products - Thermal decomposition will yield Bromine, Oxides of Carbon and Nitrogen.	
Hazardous Polymerization: May Occur Will Not Occur X	Conditions to Avoid - None

SECTION VI - HEALTH HAZARDS

Route(s) of Entry: Inhalation? X Skin? X Ingestion? X	
Health Hazards - ACUTE: EYES: Severe irritation, redness. SKIN: Severe irritation. May be absorbed across damaged skin and result in systemic toxicity. INGESTION: Irritation of mouth, throat, esophagus, stomach, vomiting, restlessness and hyperexcitability. Large oral doses may cause kidney and liver complications, lung congestion, accumulation of gas and fluids in intestine. Inhalation: Nosebleed, sore throat, coughing, respiratory irritation. CHRONIC: No information on chronic health hazards is available.	
Chemical Listed as Carcinogen - National Toxicology Program: NO I.A.R.C Monograph: NO OSHA: NO	

Signs and Symptoms of Exposure - Irritation of skin and eyes, mucous membranes and respiratory system.

Emergency and First Aid Procedures - Eye Contact: Flush eyes and under eyelids with plenty of cool water for at least 15 minutes. Get medical attention. Skin Contact: Remove contaminated clothing and discard. Wash thoroughly with soap and water. If rash or burning sensation occurs, get medical attention. Ingestion: Call a physician or poison control center immediately. Give person several glasses of water and induce vomiting. Never induce vomiting or give anything by mouth to an unconscious person. Inhalation: Remove person to fresh air. If symptoms of overexposure occur, obtain medical attention.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

Steps To Be Taken In Case Material is Released or Spilled - Stop leak or spill and contain spilled material. Soak up inert absorbent and place in closed container for proper disposal. Scrub contaminated area with detergent and water. CERCLA RQ Value: 1000 Pounds for Diquat Dibromide.

Waste Disposal Procedure - Consult local environmental authorities for disposal information in accordance with state and local regulations.

Precaution to be Taken in Handling and Storage - Store in a cool, dry place. Do not contaminate water, food, feed or seed by storage or disposal. Wash thoroughly after use. Keep from freezing. Keep container tightly closed when not in use. Use with adequate ventilation.

Other Precautions - Triple rinse empty container and follow disposal instructions on label. Keep out of reach of children.

SECTION VIII - CONTROL MEASURES

Respiratory Protection(Specify Type)-Use with adequate ventilation. If used in a closed area, use a NIOSH Approved respirator for organic fumes.	
Ventilation - Local Exhaust - Adequate Mechanical - Not required Special - Not required Other - Not required	
Protective Gloves - Rubber Eye Protection - Chemical Goggles Protective Clothing, Waterproof Footwear - Emergency Shower and Eye Wash Station	

NOTICE: NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESSED OR IMPLIED, OR MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR OF ANY OTHER NATURE, ARE MADE WITH RESPECT TO INFORMATION CONCERNING THE PRODUCT REFERRED TO IN THIS MATERIAL SAFETY DATA SHEET.

N/A (Not Applicable/Not Available) N/E (Not Established)

The health hazards given on this Material Safety Data Sheet apply to this product in its concentrated form (as supplied) and may differ significantly at use dilution. The signs and symptoms of overexposure apply only to negligence in handling or misuse of the concentrated product and not to the routine exposure of the diluted product under conditions of ordinary use.

HMS
HAZARD
RATING

HEALTH	1
FLAMMABILITY	0
REACTIVITY	0
PERSONAL PROTECTION	F

0 - LEAST
1 - SLIGHT
2 - MODERATE
3 - HIGH
4 - EXTREME