



SAFETY DATA SHEET

DREXEL IMITATOR® PA 25/25 WEED AND GRASS KILLER

Section 1: Material Identification

Product Name: Drexel Imitator® PA 25/25 Weed & Grass Killer

EPA Reg No.: 19713-681

CAS NO: 34494-04-7 Glyphosate IPA salt
112-05-0 Pelargonic acid

Formula: C₅H₁₅N₂O₅P Glyphosate IPA salt
C₉H₁₈O₂ Pelargonic acid

Company: Drexel Chemical Company
1700 Channel Avenue
Memphis, TN 38106

Synonyms:

Identifiers:

EINECS: 254-056-8 Glyphosate IPA salt
203-931-2 Pelargonic acid

RTECS: MC1080000 Glyphosate IPA salt
RA6650000 Pelargonic acid

DOT label: Non-regulated

Emergency Telephone Number:

CHEMTREC	Drexel Chemical Co.
Tel: 1-800-424-9300	901-774-4370

This product is an EPA FIFRA registered pesticide. Some of the classifications on this SDS are not the same as the FIFRA label. Certain sections of this SDS are superseded by federal law governed by EPA for a registered pesticide. Please see **Section 15. REGULATORY INFORMATION** for explanation.

Section 2: Hazard Identification

(As defined by the OSHA Hazard Communication Standard, 29)

GHS Classification	Acute inhalation	Category 4
	Eye damage/irritation	Category 1
	Aquatic acute toxicity	Category 2

GHS label elements
Signal Word Danger



Hazard statements Harmful if inhaled
Causes serious eye damage
Toxic to aquatic life

Precautionary statements

Prevention Avoid breathing dusts or mist.
Wear eye protection/face protection.
Use only outdoors or in well-ventilated area.
Avoid release to the environment.

Response **If inhaled:** Remove person to fresh air and keep comfortable for breathing.
Call a POISON CENTER or doctor for treatment advice.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor.
Collect spillage.

Storage Store in a cool, dry, well ventilated and secure area designated specifically for pesticides and away from heat sources. Keep in original containers and keep containers closed when not in use. Do not store in excessive heat. Do not store near children, food, foodstuffs, drugs or potable water supplies.

Disposal If wastes and/or containers cannot be disposed of according to the product label directions, disposal of this material must be in accordance with your local or area regulatory authorities.

Section 3: Composition Information

<u>Components</u>	<u>% By Wt.</u>	<u>OSHA PEL:</u>	<u>ACGIH TLV:</u>
Active Ingredient:			
Isopropylamine salt of glyphosate* CAS 38641-94-0	25.0 %	N/Av	5 mg/m ³
Pelargonic acid CAS 112-05-0	25.0%	N/Av	N/Av
Inert Ingredients:	50.0%	N/A	N/A

*The product contains a nominal concentration of 25.0% w/w of active as its isopropylamine salt which is equivalent to 18.5% w/w active glyphosate (CAS 1071-83-6)

Section 4: First-Aid Measures

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

If in Eyes: Hold eye open and rinse slowly and gently with water for 15 to 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 Swallowed: Call a poison control center or doctor immediately for treatment advice. Rinse mouth with water then have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

If on Skin or Clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 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.

Note to Physician: Probable mucosal damage may contraindicate the use of gastric lavage.

Section 5: Fire Fighting Measures

Fire Hazards: Closed containers may rupture if exposed to excess heat or flame due to a build-up of internal pressure. Thermal decomposition during a fire can produce fumes and irritating gases.

Flammability classification (OSHA 29 CFR 1910.1200): Non-Combustible

Flash point: >200°F

Lower flammable limit (% by volume): N/Av

Upper flammable limit (% by volume): N/Av

Fire Fighting Procedures: Keep people away. Isolate fire and deny unnecessary entry. Evacuate the area and fight the fire from upwind at a safe distance to avoid hazardous vapors or decomposition products. Dike and collect fire-extinguishing water to prevent environmental damage and excessive waste runoff.

Firefighting media: Use foam, dry chemical, carbon dioxide, or water fog when fighting fires involving this product. Do not use water jet, as this may spread burning material. Minimize the use of water to avoid environmental contamination. Contain all runoff.

Special Protective Equipment for Firefighters: Wear positive-pressure self-contained breathing apparatus (SCBA) and protective firefighting clothing (includes firefighting helmet, coat, trousers, boots, and gloves). Use full face shield and operate in positive pressure mode. Avoid contact with this material during firefighting operations. If contact is likely, change to full chemical resistant firefighting clothing with self-contained breathing apparatus. If this is not available, wear full chemical resistant clothing with self-contained breathing apparatus and fight fire from a remote location. For protective equipment in post-fire or non-fire clean-up situations, refer to the relevant sections.

Hazardous Combustion Products: Carbon oxides, Phosphorus oxides, nitrogen oxides, and irritating fumes and smoke.

(NFPA): **Health:** **Flammability:** **Reactivity:**
 2 1 0

Section 6: Accidental Release Measures

Steps to be taken if Material is Released or Spilled:

- Contain spilled material if possible. Small spills: Absorb in earth, sand or absorbent material and sweep up. Collect in suitable and properly labeled containers. Large spills: Contact Drexel Chemical Co. for clean-up assistance. See Section 13, Disposal Considerations, for additional information.

Personal Precautions:

- Isolate area. Keep unnecessary and unprotected personnel from entering the area. Refer to Section 7, Handling, for additional precautionary measures. Spilled material may cause a slipping hazard. Ventilate area of leak or spill. Use appropriate safety equipment. For additional information, refer to Section 8, Exposure Controls and Personal Protection.

Environmental Precautions:

- Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See Section 12, Ecological Information.

Section 7: Handling and Storage

KEEP OUT OF REACH OF CHILDREN

Handling: **General Handling:** Avoid contact with eyes, skin, and clothing. When using do not eat, drink, or smoke. Wash thoroughly after handling. Do not swallow. Avoid breathing vapor. Use with adequate ventilation. Wear chemical protective equipment when handling. Keep away from heat, sparks and flame. See Section 8, Exposure Controls and Personal Protection.

Storage: Store in a cool, dry, well ventilated, and secure area designated specifically for pesticides and away from heat sources. Keep in original containers and keep containers closed when not in use. Do not store in excessive heat. Do not store near children, food, foodstuffs, drugs or potable water supplies.

Section 8: Exposure Controls/ Personal Protection

Exposure Limits: TLV 5 mg/m³

Personal Protection:

Eye/Face Protection: Wear safety glasses with side shields or chemical splash goggles to prevent vapors or mists from entering the eyes. If using a full-face shield, always use safety glasses or goggles along with the face shield to ensure adequate protection of the eyes.

Skin Protection: If repeated or prolonged contact wear chemical resistant gloves. Applicators and handlers must wear long sleeved shirt, long pants and shoes with socks. Safety shower should be located in immediate work area. Remove contaminated clothing immediately, wash skin area with soap and water, and launder clothing before reuse or dispose of properly. Items which cannot be decontaminated, such as shoes, belts and watchbands, should be removed and disposed of properly.

Hand protection: Use gloves chemically resistant to this material. Examples of preferred glove barrier materials include: Neoprene, Nitrile/butadiene rubber ("nitrile" or "NBR") or Polyvinyl chloride ("PVC" or "vinyl").

Respiratory Protection: Respiratory protection should be worn when there is a potential to exceed the exposure limit requirements or guidelines. When handling in enclosed areas, when large quantities of mists are generated, or prolonged exposure is possible in excess of the TLV, use a NIOSH approved particulate filter with any N,R,P filter with NIOSH approval number prefix TC-84A; or a NIOSH approved powered air purifying respirator with

an HE filter with NIOSH approval number prefix TC-21C.

Ingestion: Avoid ingestion of even very small amounts; do not consume or store food or tobacco in the work area; wash hands and face before smoking or eating.

Engineering Controls:

Provide general and/or local exhaust ventilation to control airborne levels below exposure guidelines.

Section 9: Physical and Chemical Properties

Appearance:	Yellow liquid @ 21°C
Odor:	Odorless @ 21°C
Odor threshold:	N/Av
pH:	7.84 @ 21°C
Melting point/freezing point:	N/A
Solubility (water):	Soluble
Boiling point:	N/Av
Flash point:	>200 °F
Evaporation rate:	N/A
Flammability:	Non-flammable
Upper/lower flammability or explosive limits:	N/Av
Vapor pressure (mmHg):	N/A
Vapor density:	N/A
Density:	8.92 lbs./gal @ 21°C
Partition coefficient (n-octanol/water):	N/Av
Autoignition temperature:	N/A
Decomposition temperature:	N/Av
Viscosity:	290cP @ 21°C
Explosive properties:	N/A
% Volatiles:	Negligible

Section 10: Stability and Reactivity

Stability/Instability:	Thermally stable at typical use temperatures and in closed containers.
Conditions to Avoid:	Avoid heat of open flame. Avoid high temperatures above 130°F (54.4°C).
Incompatible Materials:	Oxidizers, reducing agents.
Hazardous Polymerization:	Will not occur
Thermal Decomposition:	Decomposition products can include and are not limited to: Carbon oxides, nitrogen oxides, and phosphorus oxides.

Section 11: Toxicological Information

Results from studies using product.

Acute Toxicity

Ingestion:

- Oral LD50, (rat): >2,000 mg/kg.

Dermal:

- Dermal LD50, (rat): >2,000 mg/kg.

Inhalation

- LC50,(4h), Aerosol, (rat): >0.07 mg/l.

Eye Irritation (rabbit):

- Corrosive, irritation persisting for more than 21 days

Skin Irritation (rabbit):

- Non-irritating.

Sensitization Skin (Guinea Pig):

- Non-sensitizer.

Chronic Toxicity and Carcinogenicity:

- This product does not contain any materials which are classified as carcinogenic by OSHA, IARC, ACGIH, or NTP.

Teratogenicity, mutagenicity, and other reproductive effects: None known.

Section 12: Ecological Information

Data for the active ingredient Glyphosate:

ENVIRONMENTAL FATE:

Persistence and Degradability:

- Soil field half-life 2-174 days. Adsorbs strongly to soil.
- Water aerobic half-life < 7 days.

Aquatic Toxicity:

- Rainbow Trout: 96-hour LC50: 5.4 mg/L.
- Bluegill 96-hour LC50: 7.3 mg/L.
- Daphnia magna: 48-hour EC50:11 mg/L.

Bird Toxicity:

- Mallard Duck 5-day dietary LC50: >5620 mg/kg.
- Bobwhite quail 5-day dietary LC50: >5620 mg/kg.

Anthropod Toxicity:

- Honey bee, oral/contact 48 hrs. LD50: 100µg/bee.

Soil Organism Toxicity:

- Earthworm acute toxicity, 14 days, LC50: >1200 mg/kg soil.

Data for the active ingredient Pelargonic acid:

ENVIRONMENTAL FATE:**Persistence and Degradability:**

Not expected to have adverse effects on non-target organisms or the environment. The chemical decomposes rapidly in both land and water environments, does not accumulate.

Aquatic Toxicity:

- Rainbow Trout: 96-hour LC50: 61 - 110 mg/L.
- Daphnia magna: 48-hour EC50: 58 - 108 mg/L.

Section 13: Disposal Considerations

If wastes and/or containers cannot be disposed of according to the product label directions, disposal of this material must be in accordance with your local or area regulatory authorities. This information presented below only applies to the material as supplied. The identification based on characteristic(s) or listing may not apply if the material has been used or otherwise contaminated. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal methods in compliance with applicable regulations. If the material as supplied becomes a waste, follow all applicable regional, national and local

Section 14: Transport Information

DOT: Non-Regulated.

IMDG: Non-Regulated

ICAO/IATA: Non-Regulated

This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. Additional transportation system information can be obtained through an authorized sales or customer service representative. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.

Section 15: Regulatory Information

OSHA: This product is hazardous according to the OSHA Hazard Communication Standard 29 CFR 1910.1200.

EPA:

- **EPA FIFRA INFORMATION**

This chemical is a pesticide product registered by the United States 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 (SDS), and for workplace labels of non-pesticide chemical. The hazard information required on the pesticide label is listed out below. The pesticide label also includes other important information, including directions for use.

- **EPA/CERCLA Reportable Quantity:** NA

SARA/TITLE III:

- **Sec 302: Extremely Hazardous Substance Notification:** This material is not known to contain any Extremely Hazardous Substances.
- **Sec. 311/312. Hazard Categories:** Immediate
- **Section 313 Toxic Chemical(s):** None
- **RCRA Waste Code:** Not applicable

California Proposition 65 (Safe Drinking Water and Toxic Enforcement Act of 1986):

- This product is not listed.

Toxic Substances Control Act (TSCA):

- All components of this product are on the TSCA Inventory or are exempt from TSCA Inventory requirements under 40 CFR 720.30.

Section 16: Other Information

Drexel Chemical Company recommends that each customer or recipient of this SDS to study it carefully and consult appropriate expertise, as necessary or appropriate, to become aware of and understand the data contained in this SDS and any hazards associated with the product. The information herein is provided in good faith and believed to be accurate as of the effective date shown below. However, no warranty, express or implied, is given. Regulatory requirements are subject to change and may differ between various locations. It is the buyer's/user's responsibility to ensure that his activities comply with all federal, state, provincial or local laws. The information presented here pertains only to the product as shipped. Since conditions for use of the product are not under the control of the manufacturer, it is the buyer's/user's duty to determine the conditions necessary for the safe use of this product. Due to the proliferation of sources for information such as manufacturer-specific SDSs, we are not and cannot be responsible for SDSs obtained from any source other than ourselves. If you have obtained an SDS from another source or if you are not sure that the SDS you have is current, please contact us for the most current version.

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