



# SAFETY DATA SHEET

## DREXEL IMITATOR® DA HERBICIDE

### Section 1: Material Identification

**Product Name:** Drexel Imitator® DA Herbicide  
**EPA Reg No.:** 19713 - 586  
**CAS NO:** 69254-40-6  
**Formula:** C<sub>6</sub>H<sub>17</sub>N<sub>2</sub>O<sub>5</sub>P  
**Company:** Drexel Chemical Company  
1700 Channel Avenue  
Memphis, TN 38106

**Synonyms:**

**Identifiers:**

**EINECS:** 254-056-8  
**RTECS:** 1008312GP  
**DOT label:** See Section 14

**Emergency Telephone Number:**

CHEMTREC  
Tel: 1-800-424-9300

Drexel Chemical Co.  
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 Certain sections of this SDS are superseded by federal law governed by EPA for a registered pesticide.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**

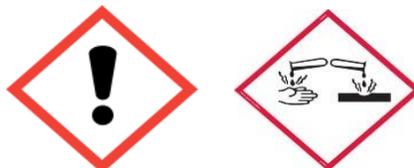
Acute toxicity - inhalation	Category 4
Eye damage/irritation	Category 2B
Hazardous to the aquatic environment – acute hazard	Category 2
Corrosive to metals	Category 1

**GHS label elements**  
**Signal word**

Warning

**Hazard statement**

Harmful if inhaled.  
Causes eye irritation.  
Toxic to aquatic life.  
May be corrosive to metals, see Section 10.



**Precautionary statement**

**Prevention**

Avoid breathing mist. Use only outdoors or in a well-ventilated area.  
Wash exposed skin thoroughly after handling.  
Avoid release to the environment.  
Keep only in original container.

**Response**

**If inhaled:** Remove person to fresh air and keep comfortable for breathing. Call Poison Control Center or Doctor if you feel unwell.  
**If in eyes:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.  
Absorb spillage to prevent material damage.

**Storage**

Store in original container or in corrosive resistant container with a resistant inner liner. Store in a cool, dry, well ventilated and secure area designated specially for pesticides.

**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:			
Diammonium salt of glyphosate CAS 69254-40-6	34.0%	N/A	5mg/m <sup>3</sup>
Inert Ingredients:	66.0%	N/A	N/A

\*The product contains a nominal concentration of 34.0 % w/w of active as its diammonium salt which is equivalent to 28.3% w/w active glyphosate (CAS 1071-83-6)



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 Glyphosate 5mg/m<sup>3</sup>

**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:** Not normally required. 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 respirator with either an organic vapor-removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C) or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G).

**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:**

No special requirement when used as recommended.

## Section 9: Physical and Chemical Properties

<b>Physical State:</b>	Liquid
<b>Color:</b>	Amber
<b>Odor:</b>	Sweet
<b>Flash Point:</b>	> 200°F
<b>Vapor Pressure (mmHg):</b>	N/Av
<b>Boiling Point:</b>	N/Av
<b>Vapor Density (air = 1):</b>	N/Av
<b>Bulk Density (H<sub>2</sub>O = 1):</b>	10.14-10.18 lbs. /gal.
<b>Freezing Point:</b>	N/A
<b>Solubility in water (wt. %):</b>	Completely miscible in water
<b>pH:</b>	4.5 – 5.0
<b>Viscosity:</b>	40-50 cps @20°C
<b>Evaporation Rate:</b>	N/Av
<b>Explosivity:</b>	Non-explosive

## Section 10: Stability and Reactivity

<b>Stability/Instability:</b>	Thermally stable at typical use temperatures and in closed containers.
<b>Conditions to Avoid:</b>	Avoid heat of open flame. Avoid high temperatures above 130°F (54.4°C).
<b>Incompatible Materials:</b>	Reacts with galvanized steel or unlined mild steel to produce hydrogen, a highly flammable gas that could explode..
<b>Hazardous Polymerization:</b>	Will not occur
<b>Thermal Decomposition:</b>	Decomposition products can include and are not limited to: Carbon oxides, nitrogen oxides, and phosphorus oxides.

## Section 11: Toxicological Information

Results from studies using a similar, but not identical, formulation containing the same amount of active ingredient glyphosate Diammonium salt.

### Acute Toxicity

#### Ingestion

- Oral LD50, (rat) : >5,000 mg/kg.

#### Dermal:

- Dermal LD50, (rabbit) : >5,000 mg/kg.

#### Inhalation

- LC50, (4h), Aerosol, (rat) : >2.9 mg/L.

#### Eye Irritation (rabbit):

- Slightly irritating.

**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, ACGIH, or NTP. Glyphosate is listed as 2A by IARC.

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

## Section 12: Ecological Information

**ENVIRONMENTAL FATE:**

**Persistence and Degradability:** Adsorbs strongly to soil. Low potential for leaching into groundwater or moving to deeper soil layers. Moderately to partially biodegradable, no significant bioaccumulation expected.

**Ecotoxicity:** Moderately toxic to fish, slightly toxic to aquatic invertebrates and plants and practically non-toxic to birds and bees.

**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.

## 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 laws

## Section 14: Transport Information

**DOT:** Non-Regulated.

**IMDG:** non regulated

**ICAO/IATA:** Not hazardous

**Freight Description:** Agricultural Herbicide, liquid, n.o.s.

**ERG Guide No.:** 171

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 Label Human Hazard Statements:** **CAUTION:** Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling.
- **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):**

- Glyphosate is 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.*

**Date Issued: September 13, 2017**

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