



DOLERITY™

DGA

SAFETY DATA SHEET

EMERGENCY CALL: 1-800-424-9300 (CHEMTREC)

1. IDENTIFICATION

PRODUCT NAME: Dolerity DGA
DESCRIPTION: Liquid Herbicide
EPA REG. NO.: 91234-193
COMPANY IDENTIFICATION: Atticus, LLC
5000 CentreGreen Way, Suite 100
Cary, NC 27513

2. HAZARD IDENTIFICATION

This material is not a hazardous substance as defined by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

HAZARD CLASSIFICATION

Health Hazards None	Category -	Other Hazards None	Category -
		Environmental Hazards None	Category -

HAZARDS NOT REQUIRING CLASSIFICATION

None

PRECAUTIONARY STATEMENTS

None

3. COMPOSITION / INFORMATION ON INGREDIENTS

Common Name	Chemical Name	CAS #	Composition
Dicamba DGA Salt	Diglycolamine salt of 3,6-dichloro-o-anisic acid	104040-79-1	58.1%

NOTE: Ingredients not precisely identified are proprietary or non-hazardous. Values are not product specifications.

4. FIRST AID MEASURES

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact SafetyCall at 1-844-685-9173 for emergency medical treatment information. For Chemical Emergency: Spill, Leak, Fire, Exposure, or Accident, Call CHEMTREC Day or Night Within USA and Canada: 1-800-424-9300 or +1 703-527-3887.

IF SWALLOWED: Call a poison control center or doctor if you feel unwell. Do not give any liquid to the person. 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.

4. FIRST AID MEASURES (continued)

IF ON SKIN OR CLOTHING: Wash with plenty of water. Take off contaminated clothing and wash it before reuse. Call a doctor or poison control center if you feel unwell.

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. If eye irritation persists: Get medical advice/attention.

5. FIREFIGHTING MEASURES

Flash Point (SCC): > 212°F

Flammable Limits (LFL-UFL): Not determined

Fire and Explosion Hazards: May thermally decompose in fire releasing irritating and toxic fumes including carbon monoxide, carbon dioxide, nitrogen oxides, and sulfur oxides.

Extinguishing Medium: Foam, dry powder, CO₂, or water spray.

Fire Fighting Equipment: Firefighters should be equipped with self-contained positive pressure breathing apparatus and turnout gear.

Fire Fighting Instructions: Evacuate area of all unnecessary personnel and fight fire from a safe distance upwind. Contain contaminated water / firefighting water; do not allow to enter drains or waterways. Foam or dry chemical fire extinguishing systems are preferred to prevent environmental damage from excessive water runoff.

NFPA Ratings: Health - 1 / Flammability - 1 / Reactivity - 0

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Isolate area and keep unnecessary and unprotected personnel from entering. Wear suitable personal protective clothing and equipment as described in Section 8 of this document.

Environmental Precautions: Do not discharge into the subsoil/soil. Do not discharge into drains/surface waters/groundwater.

Spill Cleanup: Dike spillage. Pick up with suitable absorbent material. Place into suitable containers for reuse or disposal in a licensed facility. Spilled substance/product should be recovered and applied according to label rates whenever possible. If application of spilled substance/product is not possible, then spills should be contained, solidified, and placed in suitable containers for disposal. After decontamination, spill area can be washed with water. Collect wash water for approved disposal.

7. HANDLING AND STORAGE

Handling: Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

Storage: Groundwater contamination may be reduced by diking and flooring of permanent liquid bulk storage sites with an impermeable material. Store in original container in a well-ventilated area separately from fertilizer, feed, and foodstuffs. Avoid cross-contamination with other pesticides.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls: Facilities storing or utilizing this material should be equipped with an eyewash station and a safety shower.

Personal Protective Equipment (PPE): All mixers, loaders, and applicators and other handlers must wear: long-sleeved shirt and long pants; chemical-resistant gloves made of barrier laminate, nitrile rubber > 14 mils, butyl rubber > 14 mils, Neoprene rubber > 14mils, Polyninyl Chloride > 14mils, or Viton > 14 mils; and shoes plus socks

General: Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	transparent green liquid
Odor:	medium bitter
Melting / Freezing Point:	not applicable
Boiling Point / Range:	not available
Flammability:	not applicable
Flam. Limits (upper/lower):	not available
Flash Point:	not available
Auto-Ignition Temp.:	not available
Decomposition Temp.:	not available
pH:	7-9
Viscosity:	11.9 cP (25°C)
Solubility:	soluble in water
Partition Coefficient:	not available
Vapor Pressure:	not available
Density:	10-10.2 lbs./gal. @ 25°C
Vapor Density:	not available
Particle Char.:	not available

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY: The product is stable under normal use and storage conditions.

CONDITIONS TO AVOID: Avoid all sources of ignition: heat, sparks, open flame, prolonged storage, electro-static discharge, contamination, prolonged exposure to extreme heat, and extreme temperatures.

SUBSTANCES TO AVOID: Strong acids, strong bases and oxidizing agents.

HAZARDOUS REACTIONS: This product is chemically stable and no hazardous reactions should occur if stored and handled as prescribed / indicated.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide, carbon dioxide, hydrogen chloride, nitrogen oxide, nitrogen dioxide, hydrocarbons. Stable at ambient temperature. If product is heated above decomposition temperature toxic vapors may be released.

HAZARDOUS POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL INFORMATION

Acute toxicity values are from a similar product:

ORAL TOXICITY (rat LD₅₀): > 2,000 mg/kg

DERMAL TOXICITY (rat LD₅₀): > 2,000 mg/kg

INHALATION TOXICITY (rat LC₅₀): > 5.3 mg/L

EYE IRRITATION: May cause moderate but temporary irritation to the eyes (Rabbits)

SKIN IRRITATION: May cause slight irritation to the skin (Rabbits)

SKIN SENSITIZATION: Not a contact sensitizer (Guinea pigs)

CARCINOGENICITY:

EPA: Not Listed

ACGIH: Not Listed

IARC: Not Listed

NTP: Not Listed

OSHA: Not Listed

GENETIC TOXICITY: Assessment of mutagenicity: Mutagenicity tests revealed no genotoxic potential. The product has not been tested. The statement has been derived from the properties of the individual components.

REPRODUCTIVE TOXICITY: Assessment of reproduction toxicity: The results of animal studies gave no indication of a fertility impairing effect. The product has not been tested. The statement has been derived from the properties of the individual components.

12. ECOLOGICAL INFORMATION

Drift or runoff may adversely affect aquatic invertebrates and non-target plants.

This chemical is known to leach through soil into ground water under certain conditions as a result of agricultural use. Use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in ground water contamination.

Dicamba DGA salt rapidly disassociates to the parent acid in the environment. Dicamba acid is highly mobile in soil and moderately persistent with a soil half-life of 30-60 days depending on soil type and weather conditions.

The following information is for the active ingredient, Dicamba acid:

AQUATIC TOXICITY

Rainbow Trout (96-hour LC₅₀): > 100 mg/L

Water flea (48-hour EC₅₀): > 100 mg/L

Algae (7-days EC₅₀): > 100 mg/L

Algae (7-days EC₁₀): 1.7 mg/L

13. DISPOSAL CONSIDERATIONS

PESTICIDE DISPOSAL: Pesticide spray mixture or rinsate that cannot be used should be disposed of in a landfill approved for pesticides. Improper disposal of excess pesticide spray mixture or rinsate is a violation of Federal law. If these wastes cannot be disposed of by the use according to label instructions, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL: Nonrefillable container, do not reuse or refill this container. Refer to product label for specific container disposal instructions.

14. TRANSPORT INFORMATION

US-DOT:

Containers < 250 gal. (946 L) in strong outer packaging:

Not regulated

Containers ≥ 250 gal. (946 L):

Shipping Description: UN3082, Environmentally hazardous substance, liquid, N.O.S. (Dicamba), 9, PG III
Hazardous Substance RQ: 1,000 lbs.
Emergency Guide: 171

IMDG:

Not regulated

IATA:

Not regulated

This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. Transportation classifications may vary by container volume and may be influenced by regional or country variations in regulations. 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.

15. REGULATORY INFORMATION

FIFRA –

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. The following is the hazard information as required on the pesticide label:

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION. Causes moderate eye irritation. Harmful if swallowed or absorbed through skin. Avoid contact with skin, eyes or clothing.

ENVIRONMENTAL HAZARDS

This chemical is known to leach through soil into ground water under certain conditions as a result of agricultural use.

All pesticides are governed under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA). The regulatory information presented below is pertinent only when this product is handled outside of the normal use and application as a pesticide. This product is excluded from listing requirements under EPA/TSCA.

SARA Title III – Section 302 Extremely Hazardous Substances

Not listed

SARA Title III – Section 311/312 Hazard Categories

Immediate

SARA Title III – Section 312 Threshold Planning Quantity

The threshold planning quantity (TPQ) for this product treated as a mixture is 10,000 lbs. This product contains no ingredients with a TPQ of less than 10,000 lbs.

SARA Title III – Section 313 Reportable Ingredients

Dicamba (CAS No. 1918-00-9)

CERCLA Reportable Quantity (RQ) –

Dicamba (CAS No. 1918-00-9): RQ 1,000 lbs. (approximately 250 gallons of product)

CALIFORNIA PROP 65 STATUS –

This product does not contain any chemical known to the state of California to cause cancer or reproductive toxicity.

CANADA –

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all of the information required by CPR.

16. OTHER INFORMATION

This Safety Data Sheet (SDS) serves different purposes than and DOES NOT REPLACE OR MODIFY THE EPA APPROVED PRODUCT LABELING (attached to and accompanying the product container). This SDS provides important health, safety, and environmental information for employers, employees, emergency responders and others handling large quantities of the product in activities generally other than product use, while the labeling provides that information specifically for product use in the ordinary course.

To the extent consistent with applicable law, neither Atticus, LLC nor Seller be liable for any incidental, consequential or special damages resulting from the use or handling of this product. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF ATTICUS, LLC AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF ATTICUS, LLC OR SELLER, THE REPLACEMENT OF THE PRODUCT.

SDS Version: 1.0

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