



SAFETY DATA SHEET

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

1. IDENTIFICATION

PRODUCT NAME: Capone Desiccant
DESCRIPTION: Liquid Herbicide
EPA Reg. No.: 91234-254
COMPANY IDENTIFICATION: Atticus, LLC
 5000 CentreGreen Way, Suite 100
 Cary, NC 27513

2. HAZARD IDENTIFICATION

DANGER

May be corrosive to metals (H290)
 May cause damage to organs through prolonged or repeated exposure (H373)
 Toxic if inhaled (H331)
 Harmful if swallowed (H302)
 Very toxic to aquatic life with long lasting effects (H400+H410)



HAZARD CLASSIFICATION

Health Hazards	Category	Physical Hazards	Category
Specific Target Organ Toxicity, Repeated Exposure	2	Corrosive to metals	1
Acute toxicity, inhalation	3		
Acute toxicity, oral	4		
Environmental Hazards	Category		
Hazardous to the aquatic environment, short-term	1		
Hazardous to the aquatic environment, long-term	1		

HAZARDS NOT REQUIRING CLASSIFICATION

DO NOT mix or allow coming in contact with oxidizing agents. Hazardous chemical reactions may occur

PRECAUTIONARY STATEMENTS

Keep only in original packaging. Do not breathe mist/spray/vapor. Wash hands and exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. (P234+P260+P264+P270+P271)

Get medical help if you feel unwell (P319)

Absorb spillage to prevent material-damage. (P390)

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Get emergency medical help immediately. Specific treatment (See Section 4 for additional medical information). (P304+P340+P316+P321)

IF SWALLOWED: Get medical help. Rinse mouth. (P301+P317+P330)

Store locked up. (P405)

Avoid release to the environment not in accordance with the product label. Collect spillage. (P273+P391)

Dispose of contents / container in accordance with local regulations. Refer to the product label for specific disposal instructions. (P501)

3. COMPOSITION / INFORMATION ON INGREDIENTS

Common Name	Chemical Name	CAS #	Composition
Diquat dibromide	Dipyrido[1,2-a:2',1'-c]pyrazine-dium, 6,7-dihydro-, dibromide	85-00-7	37.3%

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. For emergency medical assistance, call SafetyCall: 1-844-685-9173. For chemical emergency: For medical emergencies, call the poison control center at 1-800-222-1222.

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. Immediately call a poison control center or doctor for further treatment advice.

IF SWALLOWED: Call a poison control center or doctor immediately for treatment advice. Have a 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.

NOTE TO PHYSICIAN: To be effective, treatment for diquat poisoning must begin IMMEDIATELY. Treatment consists of binding diquat in the gut with suspensions of activated charcoal or bentonite clay, administration of cathartics to enhance elimination, and removal of diquat from the blood by charcoal hemoperfusion or continuous hemodialysis.

If in eyes, treat symptomatically. Symptoms may develop gradually. Severe damage may be caused by apparently trivial contact and healing may be delayed. Medical supervision should be continued until healing is complete.

5. FIREFIGHTING MEASURES

Flash Point: Not available

Fire and Explosion Hazards: None known.

Extinguishing Medium: Dry Chemical, foam, or CO₂ extinguishing media. If water is used to fight fire, dike and collect runoff.

Fire Fighting Equipment: Firefighters should wear full protective clothing and self-contained breathing apparatus.

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.

Hazardous Combustion Products: During a fire, irritating and possible toxic gases may be generated by thermal decomposition or combustion.

NFPA Ratings: Health – 2 / 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: Prevent material from entering public sewer systems or any waterways. Do not flush to drain. Large spills to soil or similar surfaces may necessitate removal of topsoil. The affected area should be removed and placed in an appropriate container for disposal.

Spill Cleanup: Control the spill at its source. Contain the spill to prevent from spreading or contaminating soil or from entering sewage and drainage systems or any body of water. Clean up spills immediately, observing precautions outlined in Section 8. Cover entire spill with absorbing material and place into compatible disposal container. Scrub area with hard water detergent (e.g., commercial products such as Tide, Joy, Spic and Span). Pick up wash liquid with additional absorbent and place into compatible disposal container. Once all material is cleaned up and placed in a disposal container, seal container and arrange for disposition.

7. HANDLING AND STORAGE

Handling: Avoid breathing spray mist. Avoid contact with eyes, skin, or clothing. Remove and wash contaminated clothing before reuse. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

Storage: Store in a tightly closed container in a cool, dry place. Store in original container and out of reach of children, preferably in a locked storage area.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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

Exposure Limits

Chemical Name	OSHA PEL	ACGIH TLV	Other	Source
Diquat dibromide	Not established	0.5 mg/m ³ TWA inhalable; 0.1 mg/m ³ TWA respirable	0.5 mg/m ³ TWA	Syngenta

Protective Clothing: Applicators, mixers, loaders must wear: Coveralls worn over short-sleeved shirt and short pants; waterproof gloves; chemical-resistant footwear plus socks; protective eyewear; chemical-resistant headgear for overhead exposure; chemical-resistant apron when cleaning equipment, mixing, or loading; and face shield when mixing or loading.

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:	dark brown liquid
Odor:	medium musty odor
Melting/freezing point:	not available
Boiling point/Boiling range:	not available
Flammability:	not available
Flammability limits (upper/lower):	not available
Flash point:	not available
Auto-ignition temperature:	not available
Decomposition temperature:	not available
pH:	4.5-5.5
Viscosity:	1.68 cP @ 24°C 1.29 cP @ 38°C
Solubility:	not available

9. PHYSICAL AND CHEMICAL PROPERTIES (cont.)

Density:	9.5-10.5 lb/gal
Partition coefficient:	not available
Vapor pressure:	not available
Relative vapor density:	not available
Particle characteristics:	not available

10. STABILITY AND REACTIVITY

CONDITIONS TO AVOID: Concentrate should not be stored in aluminum containers. Spray solutions should not be mixed, stored or applied in containers other than plastic, plastic-lined steel, stainless steel or fiberglass.

CHEMICAL STABILITY: Stable under all normal use and storage conditions.

INCOMPATIBILITY WITH OTHER MATERIALS: None known.

HAZARDOUS DECOMPOSITION PRODUCTS: Flammable hydrogen gas may be formed on contact with aluminum. See "Conditions to Avoid" above.

HAZARDOUS POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL INFORMATION

The following data is from a substantially similar product:

ORAL TOXICITY (rat LD₅₀): 886 mg/kg (female)

DERMAL TOXICITY (rabbit LD₅₀): >5,050 mg/kg

INHALATION TOXICITY (rat LC₅₀): 0.62 mg/L (air) (4-hours)

EYE IRRITATION: Mildly irritating (Rabbit)

SKIN IRRITATION: Slightly irritating (Rabbit)

SKIN SENSITIZATION: Not a contact sensitizer (Guinea Pigs)

CARCINOGENICITY:

EPA: Category E: Evidence of non-carcinogenicity to humans

ACGIH: Not Listed

NTP: Not listed

IARC: Not listed

OSHA: Not Listed

DEVELOPMENTAL TOXICITY: In rabbit studies a small percentage of fetuses had minor defects at 3 and 10 mg ion/kg/d.

CHRONIC/SUBCHRONIC TOXICITY: Kidney weight decreases and cataracts seen in dogs at 12.5 mg ion/kg/d. No evidence for neurotoxic effects in rats dosed up to 400 ppm ion in the diet for 13 weeks.

TARGET ORGANS:

Diquat Dibromide: Eye, kidney

12. ECOLOGICAL INFORMATION

This pesticide is toxic to aquatic invertebrates.

The following information is for the active ingredient, Diquat:

AQUATIC TOXICITY

Sheephead Minnow (96-hour LC₅₀): 51.1 mg/L; (34-day NOAEC): 3.0 mg/L

Fathead Minnow (34-day NOAEC): 0.122 mg/L

Mysid Shrimp (96-hour LC₅₀): 0.42 mg/L

Daphnia Magna (48-hour EC₅₀): 0.77 mg/L; (31-day NOAEC): 0.052 mg/L

Algae (120-hour NOAEC): 0.00033 mg/L

AVIAN TOXICITY

Zebra Finch (oral LD₅₀): 28.9 mg/kg

Mallard Duck (NOAEC): 4.2 mg/kg-diet

TERRESTRIAL INVERTEBRATE TOXICITY

Honeybee (contact 48-hour LD₅₀): >100 µg/bee

13. DISPOSAL CONSIDERATIONS

PESTICIDE DISPOSAL: Pesticide spray mixture or rinsate that cannot be used must 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 the product label for specific container disposal instructions.

14. TRANSPORT INFORMATION

US-DOT:

Containers ≤ 1.3 gal. (5 L) in strong outer packaging:

Not regulated

Containers > 1.3 gal. (5 L) or not in strong outer packaging;

Shipping Description: UN1760, corrosive, liquid, N.O.S. (diquat dibromide), 8, PG III, Marine Pollutant
Hazardous Substance RQ: 1,000 lbs. (268 gallons of product)
Emergency Guide: 171

IMDG:

Shipped internationally by vessel: UN1760, corrosive, liquid, N.O.S. (diquat dibromide), 8, PG III, Marine Pollutant

IATA:

Shipped internationally by air: UN1760, corrosive, liquid, N.O.S. (diquat dibromide), 8, PG III, Marine Pollutant

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. Harmful if swallowed. Harmful if inhaled. Causes moderate eye irritation. Avoid breathing spray mist. Avoid contact with eyes, skin, or clothing. Remove and wash contaminated clothing before reuse. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to aquatic invertebrates. For Terrestrial Uses, DO NOT apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. DO NOT contaminate water when disposing of equipment washwaters or rinsate. For Aquatic Uses, DO NOT apply directly to water except as specified on this label. Treatment of dense weed areas may result in oxygen loss from decomposition of dead weeds. This loss of oxygen may cause fish suffocation. Therefore, treat only 1/3 – 1/2 of the water body area at one time, especially if dense areas of weeds and/or algae exist and wait 14 days between treatments.

15. REGULATORY INFORMATION (cont.)

Necessary approval and/or Permits must be obtained prior to application if required. Consult the responsible State Agencies (i.e., Fish and Game agencies or Department of Natural Resources) before making applications to public waters.

NON-TARGET ORGANISM ADVISORY

This product is toxic to plants and may adversely impact the forage and habitat of non-target organisms, including pollinators, in areas adjacent to the treated site. Protect the forage and habitat of non-target organisms by following label directions intended to minimize spray drift.

PHYSICAL-CHEMICAL HAZARDS

DO NOT mix or allow coming in contact with oxidizing agents. Hazardous chemical reactions may occur.

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 (acute), Delayed (chronic)

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
Not listed

CERCLA Reportable Quantity (RQ) –

Diquat (CAS No. 85-00-7): 37.3%; 1,000 lbs. (268 gallons of product)

CALIFORNIA PROP 65 STATUS –

This product does not contain any chemical known to the State of California to cause cancer or other reproductive harm.

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

Effective Date: 10/15/2021



Manufactured for:
Atticus, LLC
5000 CentreGreen Way, Suite 100
Cary, NC 27513