



# SAFETY DATA SHEET

## 1. Product and Company Identification

PRODUCT NUMBER:	2800	COMPANY PHONE:	1-800-241-8180
PRODUCT NAME:	EDGE	EMERGENCY TELEPHONE:	1-800-241-8180
PRODUCT DESCRIPTION:	Non-Selective Contact Vegetation Killer	INFOTRAC:	1-800-535-5053
COMPANY INFORMATION:	PRO CHEM, INC. 1475 Bluegrass Lakes Parkway Alpharetta, GA 30004		

## 2. Hazards Identification

GHS CLASSIFICATION: Specific Target Organ Toxicity (repeated exposure) - Category 2 Eye Irritation - Category 2B	SIGNAL WORD: <b>WARNING</b>	SYMBOL:	
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### HAZARD STATEMENT (S):

Keep out of reach of children.  
Read label and SDS before use.  
Causes eye irritation.  
May cause damage to organs through prolonged or repeated exposure.

### PRECAUTIONARY STATEMENT:

#### Prevention:

Do not breathe mist/vapors/spray.  
Wear eye protection.  
Wash hands and face thoroughly after handling.  
Do not eat, drink, or smoke when using this product.

#### Response:

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 attention. Get medical advice/attention if you feel unwell.

**Disposal:** Dispose of contents and container in accordance with all local, regional, and national regulations.

### HAZARDS NOT OTHERWISE SPECIFIED:

Not applicable.

## 3. Composition / Information on Ingredients

CHEMICAL NAME	CAS #	Concentration % by Weight
Diquat dibromide	85-00-7	1 - 2

## 4. First Aid Measures

### EMERGENCY OVERVIEW

**WARNING:** May be harmful if swallowed or inhaled. Eye irritant.

**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 attention.

**SKIN:** Wash with plenty of soap and water.

#### INHALATION:

Remove person to fresh air and keep comfortable for breathing. Call a poison center or a doctor if you feel unwell.

#### INGESTION:

May be harmful if swallowed. Seek medical attention immediately.

## 5. Fire-Fighting Measures

### SUITABLE FIRE EXTINGUISHING MEDIA:

Use water spray, fog, or foam.

### SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:

Containers may build pressure and rupture.

### HAZARDOUS THERMAL DECOMPOSITION PRODUCTS:

Carbon dioxide. Carbon monoxide.

### SPECIFIC FIRE-FIGHTING METHODS:

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area, if this can be done without risk. Use water spray to keep fire-exposed containers cool.

### SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS:

Firefighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in a positive pressure mode.

## 6. Accidental Release Measures

### PERSONAL PRECAUTIONS:

Put on appropriate personal protective equipment (see Section 8).

### ENVIRONMENTAL PRECAUTIONS AND CLEAN-UP METHODS:

Stop all leaks. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Disperse vapors with water spray. Prevent runoff from entering drains, sewers, streams or other bodies of water. Absorb spill with inert material. Absorb unrecoverable product. Transfer contaminated absorbent, soil and other materials to containers for disposal.

## 7. Handling and Storage

Do not use or store near heat, sparks or open flame. Store in a cool, dry place. Do not get in eyes, on skin or on clothing. Keep out of reach of children.

## 8. Exposure Controls / Personal Protection

	ACGIH TLV
Diquat Dibromide	0.5 mg/m <sup>3</sup>

### PERSONAL PROTECTIVE EQUIPMENT:



**Eye Protection:** Wear safety glasses or goggles.

**Skin Protection:** To prevent repeated or prolonged contact, wear impervious gloves (made from rubber, nitrile or neoprene).

**Respiratory Protection:** When respiratory protection is required use an organic vapor cartridge. A respiratory program that meets OSHA's 29 CFR 1910.34 & ANSI Z88.2 requirements must be followed.

### ENGINEERING CONTROLS:

Good general ventilation required.

## 9. Physical & Chemical Properties

<b>Appearance:</b>	Clear liquid.	<b>Auto Ignition Temp:</b>	Not available.
<b>Boiling Point:</b>	Not available.	<b>Color:</b>	Light Yellow.
<b>Decomposition Temperature:</b>	Not available.	<b>Evaporation Rate:</b>	Not available.
<b>Explosive Limit Ranges:</b>	Not available.	<b>Explosive Properties:</b>	Not available.
<b>Flash Point:</b>	None.	<b>Melting/Freezing Point:</b>	Not available.
<b>Odor:</b>	Odorless.	<b>Odor Threshold:</b>	Not available.
<b>Other Information:</b>	VOC content (wt. %): 0	<b>Oxidizing Properties:</b>	Not available.
<b>Partition Coeff:</b>	Not available.	<b>Physical State:</b>	Liquid.
<b>Relative Density:</b>	1.0	<b>Solubility (water):</b>	Complete.
<b>Vapor Density:</b>	Not available.	<b>Vapor Pressure:</b>	Not available.
<b>Viscosity:</b>	Not available.	<b>pH:</b>	6 – 8

## 10. Stability & Reactivity Information

### REACTIVITY:

Under normal conditions of storage and use, hazardous reactions will not occur.

### CHEMICAL STABILITY:

Stable under normal conditions.

### INCOMPATIBLE MATERIALS:

Acids and strong oxidizers.

### CONDITIONS TO AVOID:

High temperatures.

### DECOMPOSITION PRODUCTS:

CO, CO<sub>2</sub>.

## 11. Toxicological Information

### PRIMARY ROUTE OF ENTRY:

Skin contact.

### ACUTE/POTENTIAL HEALTH EFFECTS:

**EYES:** Causes serious eye irritation. Symptoms include stinging, tearing and redness.

**SKIN:** May cause skin irritation.

**INHALATION:** High vapor concentrations may be irritating to respiratory tract.

**INGESTION:** May cause headache, dizziness, incoordination, nausea, vomiting, diarrhea, and general weakness.

### CHRONIC/LONG TERM EFFECTS:

Diquat Dibromide: Kidney weight decreases and cataracts seen in dogs at 12.5 mg ion/kg/d.

### TARGET ORGAN EFFECTS

Eyes, kidneys.

### REPRODUCTIVE/DEVELOPMENTAL INFORMATION:

No data.

### CARCINOGENIC INFORMATION:

This material is not listed as a carcinogen by IARC, NTP or OSHA.

### ACUTE TOXICITY VALUES:

37% Diquat Dibromide: Oral LD50 (female rat) = 886 mg/Kg; Inhalation LC50 (rat) = 0.62 mg/l air - 4 hours.

## 12. Ecological Information

Diquat Dibromide:

Fish (rainbow trout) 96-hour LC50 14.83 ppm

Daphna Magna 48-hour EC50 0.77 ppm

### 13. Disposal Consideration

Waste must be disposed of in accordance with federal, state and local environmental control regulations. See label for further instructions.

### 14. Transportation Information

Not regulated.

### 15. Regulatory Information

<b>CERCLA RQ (40 CFR 302)</b>	Diquat Dibromide	1000 lbs
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If identified components of this product are **CERCLA** hazardous substances and/or listed under **Sections 302, 304, or 313 of Title III** of the Superfund Amendments and Reauthorization Act (SARA) of 1986 (also known as EPCRA, the Emergency Planning and Community Right-To-Know Act), or under **California Proposition 65** (Safe Drinking Water and Toxic Enforcement Act), they are listed above in Section 15 of this SDS.

If identified components of this product are listed under Section 313, this product contains toxic chemicals subject to the reporting requirements of Section 313. This information must be included in all SDS that are copied and distributed for this material.

**Title III Section 311/312:**  
Hazardous Categories - 40 CFR 370.2:  
ACUTE (X) Chronic (X) Fire ( ) Pressure ( ) Reactive ( ) Not Applicable ( )

**T.S.C.A. Status:**  
All chemical substances found in this product comply with the Toxic Substances Control Act inventory reporting requirements.

**RCRA Status:**  
Under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste. If this product becomes hazardous waste it would be assigned RCRA Code(s):  
None.

**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 chemicals. The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including directions for use.  
**Signal word:** WARNING.  
**Hazard statement:** May be absorbed through skin. May cause skin damage. May be fatal if swallowed.

### 16. Other Information

#### DISCLAIMER:

To the best of our knowledge, information contained herein is accurate. However, there is no assumption of liability for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazard, which exists. The information contained in this SDS was obtained from current and reliable sources; however, the data is provided without any warranty, expressed or implied, regarding its correctness or accuracy. Since the conditions or handling, storage and disposal of this product are beyond the control of the manufacturer, the manufacturer will not be responsible for loss, injury, or expense arising out of the products improper use. No warranty, expressed or inferred, regarding the product described in this SDS shall be created or inferred by any statement in this SDS. Various government agencies may have specific regulations regarding the transportation, handling, storage, use, or disposal of this product, which may not be covered by this SDS. The user is responsible for full compliance.