

# SAFETY DATA SHEET

## 1. Identification

<b>Product identifier</b>	Tide Diquat 240 SL Herbicide and Desiccant
<b>Pest Control Product Registration Number</b>	35148
<b>Recommended use</b>	Herbicide
<b>Restrictions on use</b>	See product label
<b>Canadian supplier identifier</b>	Tide International Canada, Inc. 102-245 Hanlon Creek Boulevard Canada
<b>Telephone Number</b>	+1 866 699 7717
<b>Email</b>	Not available
<b>Emergency phone number</b>	+1 866 699 7717

## 2. Hazard identification

Classification according to Regulation (EC) No 1272/2008

<b>Health hazards</b>	Acute toxicity	Category 4
	May be corrosive to metals	Category 1
	Skin corrosion/irritation	Category 2
	Skin sensitization	Category 1
	Eye damage/irritation	Category 2A
	Specific target organ toxicity - single exposure	Category 3
	Specific target organ toxicity - repeated exposure	Category 1
	Toxic to aquatic life	Category 1

### Label elements



### Signal word

Danger

### Hazard statements

H290	May be corrosive to metals
H302	Harmful if swallowed
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H335	May cause respiratory irritation
H372	Causes damage to organs through prolonged or repeated exposure
H400+H410	Very toxic to aquatic life with long lasting effects

<b>Precautionary statements</b>	P261+P271+P264+P270+P234	Avoid breathing mist/vapors/spray. Use only outdoors or in a well-ventilated area. Wash hands and skin thoroughly after handling. Do not eat, drink or smoke when using this product. Keep only in original packaging
	P304+P340+P311+P321	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a poison control center or doctor. Refer to the Specific Treatment information in Section 4 for further instructions
	P403+P233+P405	Store in a well-ventilated place. Keep container tightly closed. Store locked up
	P301+P312+P273+P391+P390	IF SWALLOWED: Call a poison control center or doctor if you feel unwell. Rinse mouth. Avoid release to the environment. Collect spillage. Absorb spillage to prevent material-damage
	P501	Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulations.
<b>Other hazards</b>	This substance/mixture contains no components considered to be either persistent, bio-accumulative and toxic (PBT), or very persistent and very bio-accumulative (vPvB) at levels of 0.1% or higher.	

### 3. Composition/information on ingredients

Chemical name	Common name and synonyms	CAS number	Content (w/v)
Diquat ion (calculated as dibromide)	Not applicable	2764–72–9 (85–00–7)	240 g/L Min (448.3 g/L)
Inserts	Not applicable	non disponible	Up to 1L

All concentrations are in percentage by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

### 4. First-aid measures

<b>Inhalation</b>	Move person to fresh air. If not breathing, give mouth to mouth resuscitation and call a physician immediately.
<b>Skin contact</b>	Remove contaminated clothing and wash skin with soap and water. If irritation persists, call a physician. Launder contaminated clothing before re-use.
<b>Eye contact</b>	Flush with water for at least 15 minutes. Call a physician immediately.
<b>Ingestion</b>	Call a physician or Poison Control Center immediately. Do not induce vomiting. Drink two glasses of water. Never induce vomiting or give

<b>Most important symptoms/effects, acute and delayed</b>	anything by mouth to an unconscious person. The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.
<b>Immediate medical attention and special treatment, if necessary</b>	Not available. Consult a physician. Show this safety data sheet to the doctor in attendance.

## 5. Firefighting measures

<b>Suitable extinguishing media</b>	Water fog, alcohol foam, carbon dioxide, dry chemical, halogenated agents.
<b>Specific hazards arising from the chemical</b>	Flammable hydrogen gas may be formed on contact with aluminum. May decompose at high temperatures forming toxic gases
<b>Special protective equipment and precautions for fire-fighters</b>	Wear self-contained breathing apparatus for firefighting if necessary.

## 6. Accidental release measures

<b>Personal precautions, protective equipment, and emergency procedures</b>	Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist, or gas. Ensure adequate ventilation. Avoid breathing dust. For personal protection see section 8.
<b>Methods and materials for containment and cleaning up</b>	Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.
<b>Environmental precautions</b>	Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

## 7. Handling and Storage

<b>Precautions for safe handling</b>	Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Avoid exposure - obtain special instructions before use. Provide appropriate exhaust ventilation at places where dust is formed. For precautions see section 2.
<b>Conditions for safe storage, including any incompatibilities</b>	This product reacts with aluminum to produce flammable hydrogen gas. Do not mix or store in containers or systems made of aluminum or have aluminum fittings. Keep pesticide in original container. Store the material in a well-ventilated, secure area out of reach of children and domestic animals. Do not store food, beverages, or tobacco products in the storage area. Prevent eating, drinking, tobacco use, and cosmetic application in areas where there is a potential for exposure to the material. Wash thoroughly with soap and water after handling.

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## 8. Exposure controls/Personal protection

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Control parameters, including occupational exposure guidelines or biological exposure limits and the source of those values

Handle in accordance with good industrial hygiene and safety practice.  
Wash hands before breaks and at the end of workday.

Appropriate engineering controls

Individual protection measures

**Eye/face protection**

Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

**Skin protection**

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

**Body Protection**

Impervious clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

**Respiratory protection**

For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**Control of environmental exposure**

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

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## 9. Physical and chemical properties

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**Physical state**

Liquid

**Colour**

Transparent dark brown

**Odour**

No odour

**Melting point and Freezing point**

Not available

**Boiling point, or initial boiling point and boiling range**

Not available

**Flammability**

Not available

**Lower flammable or explosive limit**

Not available

**Upper flammable or explosive limit**

Not available

**Flash point**

Not available

**Auto-ignition temperature**

Not available

<b>Decomposition temperature</b>	Not available
<b>pH</b>	Not available
<b>Kinematic viscosity</b>	Not available
<b>Solubility</b>	Not available
<b>Partition coefficient - n-octanol/water</b>	Not available
<b>Vapour pressure</b>	Not available
<b>Density and relative density</b>	Not available
<b>Relative vapour density</b>	Not available
<b>Particle characteristics</b>	Not applicable

## 10. Stability and reactivity

<b>Reactivity</b>	Not available
<b>Chemical Stability</b>	Stable in neutral and acidic solutions, but readily hydrolyzed in alkaline solutions.
<b>Possibility of hazardous reactions</b>	Not available
<b>Conditions to avoid</b>	Should not be stored in aluminum containers. Should not be mixed, stored, or applied in containers other than plastic, plastic-lined steel, stainless steel or fiberglass.
<b>Incompatible Materials</b>	Strong alkalis and anionic wetting agents (such as alkyl and alkyl aryl sulfonates). Corrosive to aluminum.
<b>Hazardous decomposition products</b>	Flammable hydrogen gas may be formed on contact with aluminum. May decompose at high temperatures forming toxic gases Other decomposition products - No data available In the event of fire: see section 5

## 11. Toxicological information

### Information on the likely routes of exposure

#### Acute toxicity

<b>Acute oral (rat)</b>	LD <sub>50</sub> > 886 mg/kg
<b>Acute dermal (rabbits)</b>	LD <sub>50</sub> > 5050 mg/kg
<b>Acute inhalation (rats)</b>	LC <sub>50</sub> – 0.62 mg/l - 4 h
<b>Skin corrosion/irritation</b>	Slightly irritating
<b>Exposure minutes</b>	Not available
<b>Erythema value</b>	Not available
<b>Oedema value</b>	Not available

Serious eye damage/eye irritation	Not available
Corneal opacity value	Not available
Iris lesion value	Not available
Conjunctival reddening value	Not available
Recover days	Not available
Respiratory or skin sensitization	Not available
Respiratory sensitization	Not available
Skin sensitization	Not considered to be a skin sensitizer (Guinea pig).
Germ cell mutagenicity	Not available
Carcinogenicity	Not available
Specific target organ toxicity - single exposure	Not available
Specific target organ toxicity - repeated exposure	May cause damage to organs through prolonged or repeated exposure
Aspiration hazard	Not available
Chronic effects	Not available
Further information	Not available

## 12. Ecological information

Ecotoxicity	Birds: Moderately toxic to birds. Acute oral LD <sub>50</sub> : for mallard ducks 155, partridges 295 mg/kg.
	Fish: LC <sub>50</sub> (96 h): for rainbow trout 39, mirror carp 125 mg/l. Chronic NOEC (21 days): for <i>Pimephales promelas</i> 0.12 mg/l.
	Daphnia: LC <sub>50</sub> (48 h): 2.2 µg/l. Chronic NOEC (21 days): 0.16 mg/l.
	Algae: EC <sub>50</sub> (96 h): 21 µg/l (Chlorella). Chronic NOEC (96 hour): 6.8 µg/l.
	Bees: Oral LD <sub>50</sub> (120 h): 22 µg/bee, contact LD <sub>50</sub> : 100 µg/bee.
	Worms: LC <sub>50</sub> (14 d): 243 mg/kg
Persistence and degradability	This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.
Bioaccumulative potential	
Mobility in soil	
Other adverse effects	Not available

## 13. Disposal considerations

Information on safe handling for disposal and methods of disposal	Dispose of surplus and non-recyclable materials by offering them to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the
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	material with a combustible solvent and burn in a chem scrubber.
<b>Contaminated packaging</b>	Dispose of as unused product.

## 14. Transport information

### Transportation of Dangerous Goods

#### (TDG - Canada):

<b>UN number</b>	3016
<b>UN Proper shipping name</b>	BIPYRIDILIUM PESTICIDE, LIQUID, TOXIC
<b>Hazard class</b>	6.1
<b>Packing group</b>	III
<b>Marine pollutant</b>	Yes

#### IATA/ICAO (Air transport)

<b>UN Number</b>	3016
<b>Proper shipping name</b>	BIPYRIDILIUM PESTICIDE, LIQUID, TOXIC
<b>Hazard class</b>	6.1
<b>Packing group</b>	III
<b>Marine pollutant</b>	Yes

#### IMDG (Marine transport)

<b>UN Number</b>	3016
<b>Proper shipping name</b>	BIPYRIDILIUM PESTICIDE, LIQUID, TOXIC
<b>Hazard class</b>	6.1
<b>Packing group</b>	III
<b>Marine pollutant</b>	Yes

IATA; IMDG; TDG



## 15. Regulatory information

Read the label, authorized under the Pest Control Products Act, prior to using or handling the pest control product. This chemical is a pest control product registered by Health Canada Pest Management Regulatory Agency and is subject to certain labelling requirements under the Pest Control Products Act. These requirements differ from the classification criteria and hazard information required for GHS-consistent safety data sheets. The following is the hazard information required on the pest control product label:

Warning: Poison

Skin irritant

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## 16. Other information

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<b>Issue date</b>	April 30, 2024
<b>Revision date</b>	Not applicable
<b>Version number</b>	1.0
<b>Other information</b>	For an updated SDS, please contact the supplier/manufacturer listed on the first page of the document.
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<b>Prepared by</b>	Tide International Canada, Inc.

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