

MSDS SHEET

1. Identification of Substance/Preparation & Company

PRODUCT NAME: Diazolidinyl Urea

BOTANICAL NAME/INCI 1-[1,3-is(hydroxymethyl)-2,5-dioxo-imidazolidin-4-yl]-1,3-bis(hydroxymethyl)urea

PRODUCT USE: Food, drug, pesticide or biocidal product use.

ORIGIN: USA

SUPPLIER: Botanic Planet Canada Inc.

ADDRESS: 2 Bram Ct, Unit # 3-4 Brampton Ontario L6W 3R6 Canada

CAS Number: 90106-38-0 / 8007-01-0

Phone / Fax: 905-455-4444 / 905-455-8841

Emergency Tel No: (613)-996-6666 CANUTEC 24 HOUR EMERGENCY

2. Hazards Identification

GHS Classification

WHMIS 2015 Classification Classified as hazardous under the Hazardous Products Regulations (SOR/2015-17)

GHS Label elements, including precautionary statements



Signal: Danger

Hazard statement(s)

H315 Causes skin irritation

H317 May cause an allergic skin reaction

Precautionary statement(s)

P210 Keep away from heat/sparks/open flames/hot surfaces. – No smoking

P243 Take precautionary measures against static discharge.

P261 Avoid breathing dust/fumes/gas/mist/vapours/spray.

P272 Contaminated work clothing should not be allowed out of the workplace.

P273 Avoid release to the environment.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing.

Rinse skin with water/ shower.

P331 Do NOT induce vomiting.

P333+P313 If skin irritation or a rash occurs: Get medical advice/attention.

P337+P313 If eye irritation persists get medical advice/attention.

P402+P404 Store in a dry place. Store in a closed container.

P501 Dispose of contents and container in accordance with local, regional, national and/or international regulation for hazardous wastes.

3. Composition / Information on Ingredients

Product Name	CAS NO	EC NO	Concentration
Diazolidinyl urea	78491-02-8	-	>=97

4. First-Aid Measure

INHALATION: Remove from exposure site to fresh air. Keep at rest. Obtain medical attention.

EYE CONTACT: Rinse immediately with plenty of water for at least 15 minutes. Contact a doctor if symptoms persist.

SKIN CONTACT: Remove contaminated clothes. Wash thoroughly with soap & water, flush with plenty of water. If irritation persists, seek medical advice.

INGESTION: Rinse out mouth with water. Seek medical advice immediately.

OTHER: When assessing action take Risk & Safety Phrases into account (Section 15).

5. Fire Fighting Measures

EXTINGUISHING MEDIA: Use CO², Dry Powder or Foam type Extinguishers, spraying extinguishing media to base of flames. Do not use direct water jet on burning material.

SPECIAL MEASURES: Avoid vapour inhalation. Keep away from sources of ignition. Do not smoke. Wear positive pressure self-contained breathing apparatus & protective clothing.

EXTINGUISHING PROCEDURES: Closed containers may build up pressure when exposed to heat and should be cooled with water spray.

6. Accidental Release Measures

PERSONAL PRECAUTIONS: Avoid inhalation & direct contact with skin & eyes. Use individual protective equipment (Safety glasses, waterproof-boots, suitable protective clothing) in case of major spillages.

ENVIRONMENT PRECAUTIONS: Keep away from drains, soils, surface & ground waters.

CLEAN UP METHODS Remove all potential ignition sources. Contain spilled material. Cover with an inert or FOR SPILLAGES: non-combustible inorganic absorbent material, sweep up and remove to an approved disposal container. Observe municipal, federal and local disposal regulations.

7. Handling & Storage

PRECAUTIONS IN HANDLING: Apply good manufacturing practice & industrial hygiene practices, ensuring proper ventilation. Observe good personal hygiene. Do not eat, drink or smoke whilst handling.

STORAGE CONDITIONS: Store in tightly closed original container, in a cool, dry & ventilated area away from heat sources & protected from light. Keep air contact to a minimum.

FIRE PROTECTION: Keep away from ignition sources & naked flames. Take precautions to avoid static discharges in working area.

8. Exposure Controls/Personal Protection

RESPIRATORY PROTECTION: Avoid breathing product vapour. Apply local ventilation where possible.

VENTILATION: Ensure good ventilation of working area.

HAND PROTECTION: Avoid all skin contact. Use chemically resistant gloves if required.

EYE PROTECTION: Use safety glasses.

WORK / HYGIENE PRACTICES: Wash hands with soap & water after handling.

9. Physical & Chemical Properties

Physical: State Solid Powder

Appearance: White

Odor: No information available

pH(1% Water): 6.0-7.5

Solubility: Soluble in water

Melting Point/Range: 227 - 228 °C / 440.6 - 442.4 °F

Molecular Formula: C8 H14 N4 O7

Molecular Weight: 278.22

10. Stability & Reactivity

REACTIVITY: It presents no significant reactivity hazards, by itself or in contact with water. Avoid contact with strong acids, alkali or oxidizing agents.

DECOMPOSITION: Liable to cause smoke & acrid fumes during combustion: carbon monoxide, carbon dioxide and other non-identified organic compounds may be formed.

11. Toxicological Information

May be irritation to skin.

12. Ecological Information

BIODEGRADABILITY: Data not available

PRECAUTIONS: Prevent surface contamination of soil, ground & surface water.

13. Disposal Considerations

Avoid disposing to drainage systems and into the environment. Seek expert advice.

14. Transport Regulations

ROAD (ADR/RID): n/a

AIR (IATA/ICAO): n/a

SEA (IMDG): n/a

CHIP: See section 15

15. Regulatory Information According to Directive 88/379/EEC

HAZARDS: n/a

SYMBOLS: n/a

RISK PHRASES: n/a

SAFETY PHRASES: n/a

16. Other Information



Shelf life of this product depends very much on storage conditions, particularly moisture, temperature, exposure to light and air.

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CERTIFICATE OF ANALYSIS

Product Name: Diazolidinyl urea

INCI: 1-[1,3-is(hydroxymethyl)-2,5-dioxo-imidazolidin-4-yl]-1,3-bis(hydroxymethyl)urea

Lot No. BPCPDU102024

Expiry: October 2027

Origin: USA

Characteristic	Specification	Result
Appearance	White powder with the special odour	Conforms
Identification	Conforms	Conforms
Nitrogen Content, %	19.0 – 21.0	20.50
pH (1% in water)	6.0 – 7.5	6.70
Ashes	≤ 3.0%	0.70
Clarity 30% water solution	Conforms	Conforms
Heavy Metals (Pb)	≤10 ppm	<10 ppm
Loss on Drying	≤ 3.0%	2.50

For longer shelf life keep it away from direct light, heat and moisture

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