


DIPHOTERINE® (MICRO DAP; MINI DAP; DAP)

1. Identification

Product identifier:	Diphoterine® for containers MICRO DAP, MINI DAP and DAP
Other means of identification:	Aqueous solution containing amphoteric salts
Recommended use and restrictions on use:	Used for washing of ocular and cutaneous chemical splashes. This product is NOT recommended for the washing of splashes of hydrofluoric acid or fluorides in acidic medium.
Initial supplier identifier:	Levitt Safety 2872 Bristol Circle Oakville, Ontario Canada L6H 5T5 Tel : 1 (905) 287-3553
Emergency telephone number (hours of operation):	1 (888) 453-8488 – (Monday to Friday 7:00 to 19:00) For transport (24 hours): CANUTEC 1-613-696-666 or *666 on cellular phone

2. Hazard Identification

Classification of the product:	GASES UNDER PRESSURE – Compressed gas SIMPLE ASPHYXIANTS – Category 1
GHS information elements Hazard pictogram(s):	 The GHS hazard pictogram for compressed gas, showing a black gas cylinder inside a red diamond-shaped border.
Signal word:	Warning
Hazard statements:	H280 – Contains gas under pressure; may explode if heated. May displace oxygen and cause rapid suffocation.
Precautionary statements	
Prevention:	Not applicable.
Response:	Not applicable.
Storage:	P410 + P403 – Protect from sunlight. Store in a well-ventilated place.
Disposal:	Not applicable.
Other known hazards:	Diphoterine is non-hazardous. It is classified as a Class 2 Medical Device by Health Canada.



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3. Composition/Information on ingredients

Within the current knowledge of the supplier and in the applicable concentration, no ingredient of this product is classified as hazardous to health or the environment and therefore do not need identification in this section.

Ingredient	CAS number	Concentration
Amphoteric salts	N/A	N/A
Water	7732-18-5	Balance

MICRO DAP and MINI DAP

Ingredient	CAS number	Concentration
Nitrogen	7727-37-9	N/A

DAP

Ingredient	CAS number	Concentration
Carbon dioxide	124-38-9	N/A

4. First-aid measures

Description of necessary first-aid measures

Inhalation:	Remove the patient to open air, far from the contaminated premises. Get medical advice if you feel unwell.
Ingestion:	Rinse mouth thoroughly with water. Do not induce vomiting. Seek medical advice if you feel unwell.
Skin contact:	Rinse with tap water if necessary.
Eye contact:	For an ocular comfort, wash with the AFTERWASH II® solution or the WASHING SOLUTION after a primary washing with the DIPHOTERINE® solution.

Most important symptoms and effects, whether acute or delayed

Inhalation:	Non-toxic. No specific hazard.
Ingestion:	Non-toxic. No specific hazard.
Skin contact:	Non-toxic. No specific hazard.
Eye contact:	Non-toxic. No specific hazard.

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician:	Treat symptomatically. Apply secondary treatment specific to the chemical hazard involved.
Specific treatments:	No specific treatment.

5. Fire-fighting measures

Suitable extinguishing media:	This product is not combustible. In case of fire in the surroundings: use media appropriate to the combustible material (water spray, Carbon Dioxide, dry chemical or ABC class device).
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Unsuitable extinguishing media:	None in particular.
Specific hazards arising from the hazardous product:	Possible thermal decomposition at temperatures above 100°C.
Hazardous combustion products:	Carbon oxides, nitrogen oxides and organic vapours.
Special protective equipment and precautions for fire-fighters:	Wear NIOSH approved self-contained breathing apparatus with full face piece and full protective clothing.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel: Restrict access to area until completion of cleanup.

For emergency responders: No specific precautions.

Methods and materials for containment and cleaning up

Accidental release: This product is not combustible. In case of fire in the surroundings: use media appropriate to the combustible material (water spray, Carbon Dioxide, dry chemical or ABC class device).

7. Handling and storage

Precautions for safe handling: No specific precautions.

Advice on general hygiene: No specific advice.

Conditions for safe storage, including any incompatibilities: Keep well-closed in the original packaging. This product has a two years shelf-life if kept sealed in its original packaging. The portable eye wash can be kept for six months after its preparation (cap opening), respecting the two years shelf-life.

Diphoterine – store in a cool, dry location and protect from frost or intense heat (storage temperature between 2°C and 50°C) The ideal temperature when using the product is ambient (between 15°C and 35°C).

MICRO DAP and MINI DAP – do not drill or expose to sunlight (avoid temperatures higher than 50°C).

DAP – avoid temperatures higher than 60°C

8. Exposure controls/Personal protection

Control parameters: No known exposure limits.

Appropriate engineering controls: No specific precautions for Diphoterine solution.

Individual protection measures: Not required under normal conditions of use and storage.

Environmental Exposure Controls: Residue of chemical which contaminate the person and Diphoterine solution can retain the dangerous chemical's characteristics. Residue should be handled as required for the chemical.

9. Physical and chemical properties

Appearance

Physical state:	Liquid
Colour:	Colourless
Odour:	Odourless
Odour threshold:	Not applicable
pH:	7.2 to 7.7 (at 20°C)
Melting point:	-1°C
Freezing point:	-1°C
Initial boiling point and boiling range:	100 °C
Flash point:	Not applicable
Evaporation rate:	1
Upper and lower flammability or explosive limits:	Not applicable
Vapour pressure:	18 mmHg (at 20°C)
Vapour density:	Not available
Relative density:	1.032
Solubility:	Miscible in water/Slightly miscible in organic solvents.
Partition coefficient — n-octanol/water:	Miscible in water
Auto-ignition temperature:	Not applicable
Decomposition temperature:	Possible thermal decomposition at 100°C
Viscosity:	Similar to water

10. Stability and reactivity

Reactivity:	No specific test data related to reactivity available for this product.
Chemical stability:	The product is stable
Possibility of hazardous reactions:	Under normal conditions of use and storage, hazardous reactions will not occur
Conditions to avoid:	Do not store at temperatures lower than 2°C or at a temperature higher than 50°C.
Incompatible materials:	None known.
Hazardous decomposition products:	Under normal conditions of use and storage, hazardous decomposition products should not be produced. Toxic fumes may be released if burned or exposed to fire (See section 5).

11. Toxicological information

Acute toxicity:

There is no data available



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Information on the likely routes of exposure: Dermal contact. Eye contact. Inhalation.

Symptoms related to the physical, chemical and toxicological characteristics

Inhalation: May slightly irritate the upper respiratory tract.
Ingestion: Ingestion may cause irritation to the gastrointestinal tract.
Skin contact: May cause mild skin irritation.
Eye contact: May cause mild eye irritation.

Delayed and immediate effects, and chronic effects from short-term and long-term exposure:

No known significant effects or critical hazards.

Numerical measures of toxicity:

There is no data available

12. Ecological information

Ecotoxicity

Product/Ingredient name: Not applicable
Toxicity: Not applicable
Persistence and degradability: Not applicable
Bioaccumulative potential: Not applicable
Mobility in soil: Not applicable
Other adverse effects: Not applicable

13. Disposal considerations

Disposal methods: Product residues should be considered special hazardous waste. Residue after the Diphoterine has been used to counteract the effects of a chemical splash on a person may contain hazardous products (i.e. the acid, base, etc.) that was splashed on the person. This will determine the disposal action required.

Contaminated packaging: Contaminated packaging must be recovered or disposed of in compliance with Federal and Provincial waste management regulations.

14. Transport information

For MICRO DAP and MINI DAP

UN number: UN1950
Proper shipping name: AEROSOLS, non-flammable
Hazard class: 2.2
Packing group: Not applicable
Environmental hazard: Not applicable
Special precautions: Not applicable
Diphoterine solution on its own is not regulated.



DIPHOTERINE® (MICRO DAP; MINI DAP; DAP)

For **DAP**

UN number:	UN1013
Proper shipping name:	CARBON DIOXIDE
Hazard class:	2.2
Packing group:	Not applicable
Environmental hazard:	Not applicable
Special precautions:	Not applicable

15. Regulatory information

Canadian lists

Not applicable

Diphoterine has been approved by Health Canada as a Class 2 Medical Device

16. Other information

SDS information

Version:	3
Date (dd/mm/yyyy):	02/12/2018
Prepared by:	Levitt Safety

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product. This document must not be regarded as a guarantee on any specific product property. The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.