	Material Safety Data Sheet DIPHOTERINE®	Approved by: <i>J. B. M.</i>	BULLETIN
			Page number : 1/3
Implemented on: 10.10.2003	Reference: MSDSDipho	Modified on: 21.01.09	Update: 5

In accordance with 1907/2006/CE* European directive
In accordance with 1272/2008* European directive

1. PRODUCT IDENTIFICATION

1.1. Trade name:

DIPHOTERINE®

1.2. Other names:

Chemical name / class:

Aqueous solution containing amphoteric salts
None

Synonyms:

1.2. Utilization:

Washing of ocular or cutaneous chemical splashes of corrosive or irritant chemicals

1.3. Supplier and manufacturer:*

PREVOR

Moulin de Verville

BP1

F-95760 VALMONDOIS - FRANCE

Phone : +33(0)1 30347676

Fax : +33(0)1 30347670

fds@prevor.com

1.4. Emergency telephone number:*

+33(0)1 30347676 (Business hours – GMT +1)

2. HAZARDS IDENTIFICATION*

2.1. Hazardous components:

Non hazardous mixture according to 1272/2008/EC regulation.

2.2. Specific hazards:

No specific hazard.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Composition:

Chemical Name	CAS number	% w/w
Diphoterine®	proprietary	proprietary
Water		balance

3.2. Impurities:

No hazardous impurities.

4. FIRST-AID MESURES*

This is a first-aid product designed to be used in cases of corrosive or irritating chemical contamination. Exposure to this product will not cause additional injury. Victims of chemical exposure must seek advice from a specialist or receive medical attention. Take a copy of the label and MSDS of the product which caused the injury to physician or health professional with victim.

4.1. Inhalation:

No specific hazards

4.2. Eye exposure:

No specific hazards

4.3. Skin exposure:

No specific hazards

4.4. Ingestion:

No specific hazards

4.5. Note to physicians:

This product is a class IIa medical device in Europe, and has been specifically designed to reduce or avoid injuries caused by an ocular or cutaneous chemical splash. This solution is not hazardous in itself. If necessary, apply a secondary treatment designed for chemical exposure.

5. FIRE-FIGHTING MEASURES*

This product is non-flammable and non-combustible.

5.1. Suitable extinguishing media:

Water spray, carbon dioxide, dry chemical, foam, any "ABC" class device

5.2. Unsuitable extinguishing media:

None

5.3. Thermal decomposition into toxic substances :

Carbon monoxide, carbon dioxide, nitrogen or carbon oxides, organic vapours.

5.4. Specific protective equipment for fire-fighters:

In case of fire, wear Self-Contained Breathing Apparatus.

6. ACCIDENTAL RELEASE MEASURES*

6.1. Personal precautions:


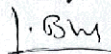
No specific measures with Diphoterine® in itself.

6.2. Environmental precautions:


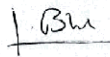
No specific precautions. Clean up the spilled non-hazardous liquid.

6.3 Clean-up methods:

No specific precautions. This product can be absorbed, for example, with Trivorex®.

	Material Safety Data Sheet DIPHOTERINE®	Approved by: 	BULLETIN
			Page number : 2/3
Implemented on: 10.10.2003	Reference: MSDSDipho	Modified on: 21.01.09	Update: 5
7. HANDLING and STORAGE			
7.1. Handling:	No specific precautions.		
7.2. Storage:	Sterile product. Keep in the original container. This product has two year shelf life if kept sealed in its original packaging. When possible, store containers in a cool, dry location, away from sources of intense heat, or where freezing is possible.		
Technical measures/ Conditions for safe storage:	Sterile product. Keep in the original container. This product has two year shelf life if kept sealed in its original packaging. When possible, store containers in a cool, dry location, away from sources of intense heat, or where freezing is possible.		
Storage incompatibility:	Product is stable in normal conditions of handling, use and storage.		
8. EXPOSURE CONTROL / PERSONAL PROTECTION*			
8.1. Exposure Limit Value:	None (not available).		
8.2. Engineering controls:	No specific precautions in cases of simple Diphoterine® exposure. Use adequate ventilation to prevent exposure to the chemical which contaminates the victim.		
8.3. Personal protection equipment:			
Respiratory protection:	None		
Hand protection:	None		
Eye protection:	None		
Skin/body protection:	None		
Specific hygiene measures:	None		
Protection of the responders:	None for Diphoterine®. If treating a victim, responders should wear adequate protection equipment in order to protect themselves from any contact with the chemical remaining on the victim.		
9. PHYSICAL AND CHEMICAL PROPERTIES*			
Appearance(20°C):	liquid		
Odour:	none		
Odour threshold:	Not applicable		
Melting point/ freezing point:	-1°C		
Boiling point:	100°C		
Flash point:	Non flammable		
Evaporation rate (water = 1) :	1		
Auto-ignition temperature:	Non flammable		
Upper/lower flammability limits:	Non applicable		
Specific gravity:	1.034 g/cm³		
pH:	7.4 +/- 0,3		
Vapour pressure:	18 mmHg (20°C)		
Solubility in water:	soluble		
Solubility:	insoluble in organic solvents		
Partition coefficient n-octanol/water:	100% soluble in water		
10. STABILITY and REACTIVITY*			
10.1. Chemical stability:	Non reactive and stable mixture		
10.2. Conditions to avoid:	Do not puncture or expose MICRO or MINI sprays to sunlight or to temperatures above 70°C. Do not expose DAP (autonomous portable shower) to temperatures above 50°C.		
10.3. Materials to avoid:	None		
10.4. Hazardous decomposition products:	Thermal decomposition from 100 °C: carbon monoxide and dioxide, nitrogen or carbon oxides, organic vapours.		
11. TOXICOLOGICAL INFORMATION			
11.1. Ingestion :	DL ₅₀ (rat) > 2000 mg/Kg		
11.2. Local effects:			
Skin contact:	Non irritant (tested on rabbits)		
	Non irritant (<i>in vitro</i> tests Dermal Irritation® test method)		
Eye contact:	Non irritant (tested on rabbits)		
Sensitization to the product:	Non sensitising (Magnusson & Kligman Method on Guinea Pig)		
	Non allergenic (Marzulli-Maibach method on human volunteers)		
11.3. Mutagenicity:	Non mutagenic (Ames test negative)		
12. ENVIRONMENTAL INFORMATION			
Diphoterine® is not harmful if released into the environment.			
Relative stability (at standard temperature and pressure): stable			
Model reference: IBModel	Implemented on: 23/01/2002	Modified on:	Update : 0

*: Indicates data modified since last update

	Material Safety Data Sheet DIPHOTERINE®	Approved by: 	BULLETIN
			Page number : 3/3
Implemented on: 10.10.2003	Reference: MSDSDipho	Modified on: 21.01.09	Update: 5

Mobility: the product is liquid and soluble in water.

12.1. Ecotoxicity: Photobacterium phosphoreum (No known eco-toxic effects)

12.2. Microtoxicity: CE50-15min at 8,63% CE50-30min at 9,8%
CE50-15min at 5136mg/l CE50-30min at 5832mg/l

12.3. Aquatic toxicity: Daphnia Magna (No known eco-toxic effects)
CE50-24h at 9,5% CE50-24h at 5654mg/l

12.4 Persistence/degradability: Diphoterine® is stable, but will decompose into simple salts in the environment.

12.5 Bioaccumulative potential: Diphoterine® does not bioaccumulate (log K_{ow}: 100 % soluble in water).

13. DISPOSAL PRECAUTIONS

Product disposal: No specific disposal measures. Recycle containers.

14. TRANSPORT INFORMATION

No transport regulation applies to the Diphoterine® solution.

RID/ADR: Non regulated

IMDG: No specific regulations for Diphoterine® in itself

IATA: No specific regulations for Diphoterine® in itself

	MICRO DAP	MINI DAP	DAP
UN or ID N°	UN 1950	UN 1950	UN 1013
Class	2,2	2,2	2,2
Shipping name	Aerosols, non-flammable	Aerosols, non-flammable	carbon dioxide
Packing instruction	203	203	200

Other regulatory provisions :

RTDM R/F : Non regulated

Marine Pollutant: No

15. REGULATORY INFORMATION*

Defined as a medical device by the 93/42/EC regulation. Product classified as non hazardous according to the- CLP (1272/2008/EC) – regulation, (Classification, Labelling and Packaging of chemicals) incorporating GHS (Globally Harmonized System) in Europe.

MSDS elaborated in accordance with REACH regulation 1907/2006/CE.

16. OTHER INFORMATION

Recommended utilizations : Use Diphoterine® immediately and optimally as primary action to wash eye and/or skin in cases of a corrosive or irritating chemical splashes (acids, bases, oxidizers, reducing agents or solvents). In cases of splashes due to hydrofluoric acid or fluorides in acidic medium, Hexafluorine® washing is more adapted.

This sheet complements the technical sheets but does not replace them. The information that is contained herein is based on the state of our knowledge related to the product concerned at the date of issue and is given in good faith. Moreover, the user's attention is drawn to the possible risks incurred by using the product for any other use than that for which it was intended.