

HEMOLYZER

Part Number: 099-019

Version 1 – Date of revision : 20-oct-2009

According to EC Regulation No. 1907/2006 (REACH)



1. Identification of the substance / preparation and of the company

Trade name:

HEMOLYZER

Part number:

099-019

Use of the substance / preparation:

Hemolyzing reagent for in-vitro diagnostic HPLC

Identification of the company / supplier:

Drew Scientific Inc.

4230 shilling way, Dallas, TX 75237, USA

Responsible for Safety Data Sheets:

QA Department:

Tel.: + 1 214 210 4900 Fax: +1 214 210 4949

e-mail: productsusa@drew-scientific.com (USA),

products@drew-scientific.com (Rest of the World)

Emergency telephone:

Refer to your local regulations

2. Hazards identification

Classification according to Directive 67/548/EEC

None

Information pertaining to special dangers for human and environment

The classification according to categories of danger as specified in Directive 67/548/EEC is not required. Risks cannot be excluded if the product is handled inappropriately:

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**3. Composition / information on ingredients****Chemical characterization (preparation)**

Sodium tetraborate buffer solution (aqueous)

Hazardous Ingredients

Substance	EC-No.	REACH-No.	EC-Index-No.	CAS-No.	Amount [%]	Classification / Labelling	
						Symbol	R-Phrases
Disodium tetraborate decahydrate	215-540-4	-	005-011-01-1	1303-96-4	< 0.1%	T+	Repr. Cat. 2; R60-61

4. First aid measures**General Information**

Take off contaminated clothing. In case of accident or if you feel unwell, seek medical advice immediately.

After inhalation

Fresh air

After skin contact

Wash off with plenty of water and soap.

After eye contact

Rinse out with plenty of water (with eyelid held wide open for at least 15 min). Call in ophtalmologist.

After swallowing

Rinse mouth with water; prevent the victim from drinking water and from vomiting. Seek medical advice immediately.

Information to physician

The preparation contains borate.

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5. Fire-fighting measures

Suitable extinguishing media

In adaption to materials stored in the immediate neighbourhood. Product is inflammable.

Extinguishing media which must not be used for safety reasons

Not applicable

Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases

No data available

Special protective equipment for fire-fighters

Do not stay in dangerous zone without suitable chemical protection clothing and self-contained breathing apparatus.

Additional information

None

6. Accidental release measures

Personal precautions

Avoid contact with substance. Ensure supply of fresh air in enclosed rooms. Prevent from ignition sources. Vapours can pile up in lower places.

Environmental precautions

Do not allow the substance to enter the drains.

Methods for cleaning-up

Take up with liquid-absorbent material (e.g. Chemisorb®). Forward for disposal according to §.13.

Additional information

None

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**7. Handling and storage****Advices on safe handling**

Prevent any contact with skin, eyes – Wear protective equipment

Precautions against fire and explosion

Not applicable

Storage conditions

Store in dry place, in a tight container.

8. Exposure controls / personal protection**Exposure limit values**

Chemical name	CAS No.	Exposure limit values	
Sodium tetraborate	1303-96-4	USA AGGIH	<i>TLV</i> ≡ 5mg/m ³

Personal protective equipment

Protective clothing should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled. The resistance of the protective clothing to chemicals should be ascertained with the respective supplier.

Respiratory protection: not required, if the product is used according to the intended purpose

Hand protection: Protection gloves recommendable;

In full contact: glove material nitrile rubber, layer thickness: 0.11 mm

Protective clothing: lab coat

Eye protection: safety glasses

Industrial hygiene

Avoid contact with eyes and skin. For the safety at work do not eat, drink, smoke, snuff. Wash hands after working with the product.

Environmental exposure controls

See sections 6 and 7.

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9. Physical and chemical properties

Appearance

Physical state: liquid

Colour: colourless

Safety relevant basic data

pH value (at 20 °C): 7-8

Boiling point/ boiling range: not known

Flash point: not applicable

Explosion hazard: not known

Lower explosion limit: not known

Upper explosion limit: not known

Ignition temperature: not known

Vapour pressure: not known

Density: 1

Solubility in water (@ 20 °C): completely soluble

10. Stability and reactivity

Stable in described use.

Conditions to avoid

Strong acids / bases / oxidizing and reducing agents.

Hazardous decomposition products

Data not available

11. Toxicological information

The toxicological classification of the preparation was calculated according to the provisions the directive 1999/45/EC.

Toxicological examinations

No data available

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**Information on ingredients**

Substance	CAS-No.	LD50 (oral)	LD50 (dermal)
Sodium tetraborate	1303-96-4	rat: 2 400 mg/kg	rabbit: > 2 0000 mg/kg

Properties that must be anticipated on the basis of the components of the preparation (ethanol)**After swallowing:** may cause irritations of mucous membranes in the mouth.**After skin contact:** may cause slight irritations.**After inhalation:** may cause irritation symptoms in the respiratory tract**After eye contact:** may cause irritations.

12. Ecological information**Ecotoxic effects (ingredients)**

No data available

Mobility, persistence and degradability, bioaccumulative potential (ingredients)

No data available

Results of PBT assessment

No data available

Other adverse effects

No data available

13. Disposal Considerations**Recommendation**

For disposal, laboratory waste should be collected separately with regard to its different chemical properties.

Product (substance / preparation) / contaminated packaging

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The product must be disposed of in compliance with the respective national regulations. Contaminated packaging must be disposed as the product itself.

Cleaned packaging

Non-contaminated and cleaned packaging can be recycled. Recommended cleanser: water

14. Transport Information

Not subject to the regulations for the transport of dangerous goods.

15. Regulatory Information

Labeling according to EU Regulations

Hazard symbols: none

Hazard statements: none

R-phrases: none

S-phrases: none

16. Other Information

Risks: none

Users' formation: users must be aware of chemical risks.

Use restrictions: the product is dedicated to in-vitro diagnostic analyses.

Reference : INRS (French Institute – risk prevention) toxicological sheet. MSDS of our suppliers.

This MSDS completes the insert sheet of the product. The information above is believed to be accurate and represents the best information currently available to us. It characterises the product with regard to the appropriate safety precautions and to the described use.

Alterations to previous version: none (first version)