



# Material Safety Data Sheet

According to 2001/58/EC

**Diatro•Lyse-DIFF**

**Lysing Agent**

**Code: D201**

**01.03.2007**

## 1. Product and company identification

### 1.1 Identification of the product

Product name: Diatro•Lyse-DIFF

Product code: D201

### 1.2 Use of the product

Lysing agent for stromatolysis of erythrocytes (RBC), for quantitative determination of leukocytes (WBC), leukocyte three-part differentiation (LYM, MID, GRAN) and hemoglobin (HGB) concentration measurement in human blood on automated haematology analyzer.

### 1.3 Company identification

Diatron MI Plc.  
Papirgyar st. 58-59.  
H-1038 Budapest,  
Hungary  
Tel: +36 14369800  
Fax: +36 14369809  
www.diatron.com

### 1.4 Emergency phone number

Diatron MI Plc., Tel: +36 14369800  
Contact the nearest first-aid station.

## 2. Composition/information on ingredients

### 2.1 Composition/Data on components:

Name	Concentration	Symbol	Risk
Quaternary ammonium compounds*	< 7.5 %	Xn, N	R20/21/22, R36/37/38, S26, S36
Nonionic detergents*	< 0.5 %		R22, R36/38, S24/25, S36/37

\* The specific chemical names are considered proprietary information.

### 2.2 Dangerous preparation according to 67/548/EEC - 99/45/EEC (Yes/No): No

## 3. Hazards identification

### Most important hazards:

None.

### Specific risks:

None determined.

### Information pertaining to particular dangers for man and environment:

May be harmful if swallowed.



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## 4. First aid measures

### After inhalation:

Supply fresh air; consult doctor in case of symptoms.

### After skin contact:

The product is not skin irritating.

### After eye contact:

Rinse opened eye for several minutes under running water.

### After swallowing:

Rinse out mouth.

## 5. Fire fighting measures:

### Non flammable.

### Suitable extinguishing agents:

CO<sub>2</sub>, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.

### Protective equipment:

Wear self-contained breathing apparatus.

## 6. Accidental release measures

### Person-related safety precautions:

Wear a lab coat, protective gloves and safety goggles.

### Measures for environmental protection:

No special measures required.

### Measures for cleaning/collecting:

Soak up the product with an absorbent product (sand, neutralising acid, universal binder, sawdust).

### Additional information:

No dangerous materials are released.



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## 7. Handling and storage

### 7.1 Handling

**Information about protection against explosions and fires:**

No special requirements.

**Technical measures:**

None determined.

**Precautions:**

The usual laboratory precautions should be observed.

**Handling recommendations:**

Wear gloves in case of prolonged handling.

### 7.2 Storage

**Requirements to be met by storerooms and containers:**

No special requirements.

**Information about storage in one common storage facility:**

Not required.

**Storage conditions:**

Store at 15-30°C.

**Incompatible materials:**

Not determined.

**Packaging materials:**

Not determined.

## 8. Exposure controls and personal protection

**Technical measures:**

Use general room ventilation. Respect standard safety procedures for chemical product use.  
Safety goggles are recommended for decanting.

**Hygiene measures:**

Wash hands before and after use.

**Respiratory protection:**

Not required.

**Eye protection:**

Safety glasses recommended during refilling.

**Body protection:**

Protective work clothing.

**Hand protection:**

Protective gloves.

**Eye protection:**

Safety goggles.

**Skin protection:**

Lab coat.



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## 9. Physical and chemical properties:

**Physical state:** ..... Liquid  
**Colour:** ..... Colourless  
**Odour:** ..... Odourless  
**Explosive properties:** ..... The product does not explode.  
**Oxidizing properties:** ..... Not determined.  
**pH:** ..... 7.5  
**Vapour pressure at 20°C:** ..... 23 hPa  
**Density at 20°C:** ..... 1 g/cm<sup>l</sup>  
**Melting point:** ..... 0° C  
**Boiling point:** ..... 100° C  
**Relative density:** ..... Not determined.  
**Solubility:** ..... Miscible with water.  
**Organic solvents:** ..... 0.0 %  
**Flashing point:** ..... Not determined.  
**Partition coefficient:** ..... Not determined.  
**Flammability (solid, gas):** ..... The product does not ignite spontaneously.

## 10. Stability and reactivity

### Dangerous reactions:

No dangerous reactions known.

### Dangerous products of decomposition:

No dangerous decomposition products known.

### Conditions to avoid:

None determined.

### Materials to avoid:

No dangerous reaction.



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## 11. Toxicological information

### Acute toxicity:

When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

The material is not subject to classification according to EC lists in the last version.

### Sensitization:

No sensitizing effect known.

### Chronic toxicity:

Not determined.

### Inhalation:

Not determined.

### Primary irritant effect:

**on the skin:** No irritant effect.

**on the eye:** redness

### Ingestion:

Not determined.

## 12. Ecological information

### General notes:

Generally not hazardous for water.

### Mobility:

Water pollution category O (classified clean): as a general rule non polluting.

### Degradability:

Not determined.

### Bioaccumulative potential:

Not determined.

### Ecotoxicology:

Not determined.

### Other hazardous effects:

None determined.

## 13. Disposal considerations

### Product:

Smaller quantities can be disposed with household garbage.

### Surplus or waste (residues):

Incineration.

### Contaminated packaging:

Empty in compliance with legal prescriptions. Water, possibility of adding cleaning products.



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## 14. Transport information (International regulations)

### Land transport ADR/RID and GGVS/GGVE (cross-border/domestic):

ADR/RID-GGVS/E Class: not regulated

### Maritime transport IMDG/GGVSea:

IMDG/GGVSea Class: Not regulated.

Marine pollutant: No

### Air transport ICAO-TI and IATA-DGR:

ICAO/IATA Class: Not regulated.

## 15. Regulatory information

**Symbols:** None

**R phrases:** None

**S phrases:** None

### Designation according to EC guidelines:

Observe the normal safety regulations when handling chemicals

The product is not subject to identification regulations under EC Directives and the Ordinance on Hazardous Materials (GefStofV).

## 16. Other information

These data are based on our present knowledge of the product, at the date shown, and is correct to the best of our knowledge. Furthermore, the user's attention is drawn to the dangers of using this product for anything other than its intended use. The user must accept the sole responsibility and take precautions accordingly for the use of this product.

**Contact:** Diatron MI Plc., Budapest, Hungary; Tel.: +36 14369800; [www.diatron.com](http://www.diatron.com)

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