



# MATERIAL SAFETY DATA SHEET

According to 1907/2006/EC (REACH) and  
1272/2008/EC (CLP/GHS)

Trade name: **Lyse 2 / HM5 Reagent Pack**

Version: 4.0    Latest revision: 11.01.2016    Previous issue: 02.09.2013    Page: 1/(7)

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

Product code: **D205**

### Product type / recommended uses

Lysing agent for quantitative determination of five leukocyte subpopulation (LYM, MONO, NEU, EOS, BAS) in animal blood samples on automated haematology analyser.

Manufacturer / Supplier identification:                      Responsible for SDS:

Diatron MI Plc

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H-1097 Budapest, Táblás u. 39.

H-1097 Budapest, Táblás u. 39.

Phone: + 36 1 436-9800

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Emergency phone number: + 36 1 436-9800

Health Toxicological Information Service (ETTSZ H-1096 Budapest, Nagyvárad tér 2.)

Phone: +36 1 476-6464 or +36 80 201-199 or

Health Toxicological Information Service in the country of user

## 2. Hazards identification

### 2.1 Classification of the Substance or Mixture

This product is not considered hazardous under OSHA, EU or WHMIS criteria.

OSHA – Not applicable

EU – Not applicable

WHMIS – Exempt

### Classification according to Regulation (EC) No 1272/2008 (CLP/GHS):

Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

This substance is not classified as dangerous according to Directive 67/548/EEC.

### Classification according to Directive 67/548/EEC or Directive 1999/45/EC:

Human health hazards:                      Danger symbol not required.

Safety hazards:                                      Danger symbol not required.

Environmental hazards:                      Danger symbol not required.

### 2.2 Label Elements

Labelling according to Regulation (EC) No 1272/2008:

The product is classified and labelled according to the CLP/GHS Regulation.

### 2.3 Other hazards – none

## 3. Composition / information on ingredients

Ingredients / hazardous components:

This product does not contain substances to be mentioned according to EU Regulation No 1907/2006 (REACH), annex II.



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## 4. First aid measures

### 4.1 Description of first aid measures

#### General advice

Never give anything by mouth to an unconscious person, or never induce vomiting.

#### If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration.

Consult a physician.

#### In case of skin contact

Wash off with plenty of water. If symptoms persist, consult a physician.

#### In case of eye contact

Rinse opened eye for several minutes under running water. If symptoms persist, consult a physician.

#### If swallowed

Rinse mouth with water. Consult a physician.

### 4.2 Most important symptoms and effects, both acute and delayed

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

### 4.3 Indication of any immediate medical attention and special treatment needed

no data available

## 5. Fire hazard / fire-fighting measures

### 5.1 Fire hazard

Non combustible.

### 5.2 Suitable extinguishing media

Coordinate fire-fighting measures to the fire surroundings.

### 5.3 Unsuitable extinguishing media

Not known.

### 5.4 Hazardous decomposition products

Not known.

### 5.5 Special protective equipment

According to the existing fire-fighting regulations.

## 6. Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid breathing vapors, mist or gas.

Ensure adequate ventilation. Use good laboratory practice.



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## 6.2 Spills and leaks

Dispose through a sanitary sewer, or use absorbent material and dispose as non-hazardous solid waste. Disposal must comply with federal, state and local requirements.

## 6.3 Environmental precautions

Contain spill to prevent contamination of surrounding areas.

## 6.4 Reference to other sections

For disposal see section 13.

## 7. Handling and storage

### 7.1 Handling

Keep general measures applied for normal operations with chemicals and for working in laboratory.

Avoid contact with skin and eyes.

#### Information about protection against explosions and fires

No special requirements.

#### Technical measures

None determined.

### 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

Keep in closed, original container.

Protect from freeze and direct sunshine.

#### Incompatible materials

Not determined.

#### Packaging materials

Not determined.

### 7.3 Specific application

See product sheet.

## 8. Exposure controls / personal protection

### 8.1 Engineering control measure

Use general room ventilation.

### 8.2 Exposure limits

OSHA – None established

ACGIH – None established

DFG MAK – None established



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## 8.3 Personal protection

(Protective equipment should be qualified by an organisation with adequate licence.)

Respiratory protection:            Not required.  
Hand protection:                    Use of protective gloves is recommended.  
Eye protection:                      Safety glasses recommended during refilling.  
Skin protection:                      Protective clothing, general (lab. coat).  
Other special:                         -

## 8.4 General protective measures / hygiene

Avoid prolonged contact with skin and eye, swallowing the product.  
Ensure washing facilities (warm water) after working hours and before breaks. Wash thoroughly hands after using the product.

## 9. Physical and chemical properties

Appearance:

Physical state:                        liquid  
Colour:                                  colourless  
Odour:                                    odourless

Change in physical state:

Melting point:                        -2 °C  
Boiling point:                         102 °C

Others:

pH:                                        10  
Flash point (COC):                    not applicable  
Ignition temperature:                not applicable  
Autoignition:                         not applicable  
Explosive properties:                 not explosive  
Oxidizing properties:                 not oxidizing  
Vapour pressure at 20°C:            23 hPa  
Density at 20°C:                      1.01 g/cm<sup>3</sup>  
Solubility in water:                    miscible  
Organic solvents:                      0 %  
Octanol/water partition coefficient: not determined  
Viscosity:  
    Dynamic:                            not determined  
    Kinematic:                         not determined



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## 10. Stability and reactivity

Stability:	No decomposition if handled and stored properly.
Conditions to avoid:	Not known.
Materials to avoid:	Not known. No dangerous reaction.
Hazardous decomposition products:	Not known.

## 11. Toxicological information

### Acute toxicity

### Skin corrosion/irritation

no data available

### Serious eye damage/eye irritation

no data available

### Respiratory or skin sensitization

no data available

### Germ cell mutagenicity

no data available

### Carcinogenicity

IARC: Contains no ingredients listed as potential carcinogens by ACGIH, IARC, NTP or OSHA.

### Reproductive toxicity

no data available

### Specific target organ toxicity - single exposure

no data available

### Specific target organ toxicity - repeated exposure

no data available

### Aspiration hazard

no data available

### Potential health effects

Inhalation      May be harmful if inhaled. May cause respiratory tract irritation.

Ingestion        May be harmful if swallowed.

Skin              Not irritating (based on components).

Eyes              Not irritating (based on components).

Sensitization    Not sensitising (based on components).

### Signs and Symptoms of Exposure

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

### Additional Information

RTECS: Not available



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## 12. Ecological information

### 12.1 Toxicity

no data available

### 12.2 Persistence and degradability

no data available

### 12.3 Bioaccumulative potential

no data available

### 12.4 Mobility in soil

no data available

### 12.5 Results of PBT and vPvB assessment

no data available

### 12.6 Environmental effect

In case of normal use the product is not harmful to the environment.

## 13. Disposal considerations

### Product disposal

Waste identification number:

EWC code: 06 03 14

Solid salts and solutions other than those mentioned in 06 03 11 and 06 03 13.

Notes: classification of product waste is also dependent on the conditions of application.

Waste disposal must comply with federal, state and local requirements. Contact local authorities for information.

Smaller quantities can be disposed with household waste.

### Packaging disposal

Containers with product residue should also be treated according to federal, state and local regulations.

## 14. Transport information

Transportation of this product not regulated according to the definition of hazardous in 49CFR (US DOT). Transportation of this product is also not regulated by IATA, ICAO, Canadian TDG or European ADR.

### 14.1 UN number

ADR/RID: -

IMDG: -

IATA: -

### 14.2 UN proper shipping name

ADR/RID: Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods

### 14.3 Transport hazard class(es)

ADR/RID: -

IMDG: -

IATA: -

