MATERIAL SAFETY DATA SHEET
According to 1907/2006/EC (REACH) and 1272/2008/EC (CLP/GHS)

Trade name: Lyse / HM5 Reagent Pack
Version: 7.0   Latest revision: 11.01.2016   Previous issue: 02.09.2013   Page: 1/(7)

1. Identification of the substance / preparation and company
   Product code: D201

   Product type / recommended uses
   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 animal blood
on automated haematology analyser.

   Manufacturer / Supplier identification:
   Responsible for SDS:
   Diatron MI Plc
   H-1097 Budapest, Táblás u. 39.
   Phone: + 36 1 436-9800
   Fax: + 36 1 436-9809
   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.
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.
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
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: characteristic
Change in physical state:
  Melting point: -2 °C
  Boiling point: 102 °C
Others:
  pH: 7
  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/cm³
  Solubility in water: miscible
  Organic solvents: <1 %
  Octanol/water partition coefficient: not determined
  Viscosity:
    Dynamic: not determined
    Kinematic: not determined
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
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: -
Trade name: Lyse / HM5 Reagent Pack

14.4 Packaging group
   ADR/RID: -  IMDG: -  IATA: -

14.5 Environmental hazards
   ADR/RID: no  IMDG Marine pollutant: no  IATA: no

14.6 Special precautions for user
   no data available

15. Regulatory information

   US Federal and State Regulations
   SARA 313  2-Propanol is subject to reporting requirements specified by Section 313, Title III of SARA.
   California Proposition 65  No ingredients listed.
   Massachusetts MSL  2-Propanol is listed.
   Pennsylvania RTK  2-Propanol is listed.

   EU Regulations
   This safety datasheet complies with the requirements of Regulation No. 1907/2006/EC and 1272/2008/EC (CLP/GHS).

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
   no data available

15.2 Chemical safety assessment
   no data available

15.3 Danger symbol(s) and indication(s)
   not required

15.4 Hazardous components
   The label must bear the inscription:  -
   R-phrase:  not required
   S-phrase:  not required
   Tactile warning of danger:  not required.

16. Other information
   Recommended applications / restrictions: See product sheets.

Information given is based on our best knowledge and is intended to describe the product for the purposes of safety of transporting and handling only. It should not be therefore construed as guaranteeing any specific property of the product. It is the responsibility of the user to observe all current regulations and consider recommendations on the use of application of product.

Latest revision:

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