



SAFETY DATA SHEET

in accordance with 29 CFR 1910.1200 and ANSI standard Z400.1-2010

Lipase DC FS Reagent R2

Material number 1 4321 R2

Revision date: 11/19/2018

Version: 15

Language: en-US

Date of print: 1/30/2019

Page: 1 of 7

1. Product and company identification

Product identifier

Trade name: Lipase DC FS Reagent R2
As part of the kits: 1 4321 XX XX XXX
(The positions X code different packages.)

Relevant identified uses of the substance or mixture and uses advised against

General use: Reagent for in-vitro diagnostic use
For professional use only

Details of the supplier of the safety data sheet

Company name: DiaSys Diagnostic Systems GmbH
Street/POB-No.: Alte Strasse 9
Postal Code, city: 65558 Holzheim
WWW: <http://www.diasys.de>
E-mail: mail@diasys.de
Telephone: +49 (0) 6432-9146-0
Telefax: +49 (0) 6432-9146-32
Dept. responsible for information:
Corporate headquarters, Telephone: +49 (0) 6432-9146-0, Email: mail@diasys.de

Emergency phone number

Infraserv, Telephone: +49 (0) 69-305-6418

2. Hazards identification

Emergency overview

Appearance: Physical state at 68 °F and 101.3 kPa: liquid

Color: orange-red, clear

Odor: odorless

Classification: Eye Irritation - Category 2A;

Hazard symbols:



Signal word: **Warning**

Hazard statements: Causes serious eye irritation.

Precautionary statements:

Wear protective gloves/protective clothing/eye protection.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If eye irritation persists: Get medical advice/attention.

Regulatory status

This material is considered hazardous by the U.S. OSHA Hazard Communication Standard (29 CFR 1910.1200) and SIMDUT in Canada.

Hazards not otherwise classified

see section 11: Toxicological information



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3. Composition / Information on ingredients

Chemical characterization: Aqueous solution. Contains surfactants.

Relevant ingredients:

| CAS No. | Designation | Content | Classification |
|----------------|------------------|---------|---|
| CAS 71-23-8 | Propan-1-ol | < 3 % | Flammable Liquid - Category 2. Eye Damage - Category 1. Specific Target Organ Toxicity (Single Exposure) - Category 3. |
| CAS 79-07-2 | 2-Chloracetamide | < 0.1 % | Acute Toxicity - oral - Category 3. Sensitization - skin - Category 1. Reproductive toxicant - Category 2. |

Additional information: Contains polyethylene glycol. The maximum workplace exposure limits are, where necessary, listed in section 8.

4. First aid measures

- General information: First aider: Pay attention to self-protection!
If medical advice is needed, have product container or label at hand.
Take off contaminated clothing and wash it before reuse.
- In case of inhalation: Provide fresh air. If you feel unwell, seek medical advice.
- Following skin contact: Immediately clean with water and soap followed by thorough rinsing. In case of skin reactions, consult a physician.
- After eye contact: Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Remove contact lenses, if present and easy to do. Continue rinsing. Subsequently consult an ophthalmologist.
- After swallowing: Rinse mouth immediately and drink plenty of water. Never give anything by mouth to an unconscious person. Do not induce vomiting. Seek medical attention.

Most important symptoms/effects, acute and delayed

- Causes serious eye irritation.
- May cause allergic reactions in already sensitized persons.

Information to physician

Treat symptomatically.

5. Fire fighting measures

Flash point/flash point range:

not combustible

Auto-ignition temperature: No data available

Suitable extinguishing media:

Product is non-combustible. Extinguishing materials should therefore be selected according to surroundings.

Specific hazards arising from the chemical

Fires in the immediate vicinity may cause the development of dangerous vapors.
In case of fire may be liberated: carbon monoxide and carbon dioxide.

Protective equipment and precautions for firefighters:

Wear self-contained breathing apparatus.



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Additional information: Do not allow fire water to penetrate into surface or ground water.

6. Accidental release measures

Personal precautions: Avoid contact with skin and eyes. Do not breathe vapors. Wear appropriate protective equipment. In enclosed areas: Provide fresh air. If possible, eliminate leakage. Keep unprotected people away. Take off contaminated clothing and wash it before reuse.

Environmental precautions: Do not allow to penetrate into soil, waterbodies or drains.

Methods for clean-up: Soak up with absorbent materials such as sand, siliceus earth, acid- or universal binder. Store in special closed containers and dispose of according to ordinance. Wash spill area with plenty of water.

7. Handling and storage

Handling

Advices on safe handling: Provide adequate ventilation, and local exhaust as needed. Avoid contact with skin and eyes. Do not breathe vapors. Wear appropriate protective equipment. Keep all containers, equipment and working place clean. Take off contaminated clothing and wash it before reuse. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Have eye wash bottle or eye rinse ready at work place.

Storage

Requirements for storerooms and containers: Keep containers tightly closed and at a temperature between 35.6 °F and 46.4 °F. Protect from direct sunlight. Do not freeze. Keep sterile.

Hints on joint storage: Do not store together with: acids, alkalis
Keep away from food, drink and animal feedingstuffs.

8. Exposure controls / personal protection

Exposure guidelines

Occupational exposure limit values:

| CAS No. | Designation | Type | Limit value |
|---------|-------------|------------------|---|
| 71-23-8 | Propan-1-ol | USA: ACGIH: TWA | 246 mg/m ³ ; 100 ppm |
| | | USA: NIOSH: STEL | 625 mg/m ³ ; 250 ppm (may be absorbed through the skin) |
| | | USA: NIOSH: TWA | 500 mg/m ³ ; 200 ppm (may be absorbed through the skin) |
| | | USA: OSHA: TWA | 500 mg/m ³ ; 200 ppm |

Engineering controls

Provide good ventilation and/or an exhaust system in the work area.
See also information in chapter 7, section storage.

Personal protection equipment (PPE)

Eye/face protection: Tightly sealed goggles according to OSHA Standard - 29 CFR: 1910.133 or ANSI Z87.1-2010.



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|---------------------------------|---|
| Skin protection | Wear suitable protective clothing. Protective gloves according to OSHA Standard - 29 CFR: 1910.138. Glove material: Nitrile rubber Breakthrough time: >480 min. Observe glove manufacturer's instructions concerning penetrability and breakthrough time. |
| Respiratory protection: | Respiratory protection must be worn whenever the TLV (WEL) levels have been exceeded. Use a breathing protection against vapors/aerosol. Use combination filter type A/P according to OSHA Standard - 29 CFR: 1910.134 or ANSI Z88.2. |
| General hygiene considerations: | Do not breathe vapors. Avoid contact with skin and eyes. Take off contaminated clothing and wash it before reuse. Wash hands before breaks and after work. Do not eat, drink or smoke when using this product. Have eye wash bottle or eye rinse ready at work place. |

9. Physical and chemical properties

Information on basic physical and chemical properties

| | |
|--|---|
| Appearance: | Physical state at 68 °F and 101.3 kPa: liquid Color: orange-red, clear |
| Odor: | odorless |
| Odor threshold: | No data available |
| pH value: | at 77 °F: 4.0 |
| Melting point/freezing point: | No data available |
| Initial boiling point and boiling range: | No data available |
| Flash point/flash point range: | not combustible |
| Evaporation rate: | No data available |
| Flammability: | No data available |
| Explosion limits: | No data available |
| Vapor pressure: | No data available |
| Vapor density: | No data available |
| Density: | at 68 °F: 1.0238 g/mL |
| Water solubility: | completely miscible |
| Partition coefficient: n-octanol/water: | No data available |
| Auto-ignition temperature: | No data available |
| Thermal decomposition: | No data available |
| Additional information: | No data available |

10. Stability and reactivity

| | |
|------------------------------------|--|
| Reactivity: | No data available |
| Chemical stability: | Stable under recommended storage conditions. |
| Possibility of hazardous reactions | No hazardous reactions known. |
| Conditions to avoid: | Protect from frost, heat and sunlight. |



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Incompatible materials: Acids, alkalis

Hazardous decomposition products:
No decomposition when used properly.

Thermal decomposition: No data available

11. Toxicological information

Toxicological tests

Toxicological effects: The statements are derived from the properties of the single components. No toxicological data is available for the product as such.

Acute toxicity (oral): Lack of data.

Acute toxicity (dermal): Lack of data.

Acute toxicity (inhalative): Lack of data.

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Serious eye damage/irritation: Eye Irritation - Category 2A = Causes serious eye irritation.

Sensitisation to the respiratory tract: Lack of data.

Skin sensitisation: Based on available data, the classification criteria are not met.

May cause allergic reactions in already sensitized persons.

Germ cell mutagenicity/Genotoxicity: Lack of data.

Carcinogenicity: Lack of data.

Reproductive toxicity: Lack of data.

Effects on or via lactation: Lack of data.

Specific target organ toxicity (single exposure): Lack of data.

Specific target organ toxicity (repeated exposure): Lack of data.

Aspiration hazard: Lack of data.

Symptoms

After eye contact: Upon direct contact with eyes may cause burning, tearing, redness.

12. Ecological information

Ecotoxicity

Further details: No data available

Mobility in soil

No data available

Persistence and degradability

Further details: No data available

Additional ecological information

General information: Do not allow to enter into ground-water, surface water or drains.



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13. Disposal considerations

Product

Recommendation: Special waste. Dispose of waste according to applicable legislation.

Contaminated packaging

Recommendation: Dispose of waste according to applicable legislation.
Non-contaminated packages may be recycled.

14. Transport information

USA: Department of Transportation (DOT)

Proper shipping name: Not restricted

Sea transport (IMDG)

Proper shipping name: Not restricted

Marine pollutant: no

Air transport (IATA)

Proper shipping name: Not restricted

Further information

No dangerous good in sense of these transport regulations.

15. Regulatory information

National regulations - U.S. Federal Regulations

Propan-1-ol: TSCA Inventory: listed
TSCA HPVC: not listed
NIOSH Recommendations:
Occupational Health Guideline:
0533

Polyethylene glycol: TSCA Inventory: listed; EPA flags XU
TSCA HPVC: not listed

2-Chloracetamide: TSCA Inventory: listed
TSCA HPVC: not listed

National regulations - U.S. State Regulations

Propan-1-ol: Idaho Air Pollutant List:
Title 585: AAC: 25 - EL: 33.3 - OEL: 500 - Title 586: -
Massachusetts Haz. Substance codes: 2,4,6
Minnesota Haz. Substance:
Codes: AO - Ratings: -
Pennsylvania Haz. Substance code: -
Washington Air Contaminant:
TWA: 200 ppm - 500 ppm - STEL: 250 ppm - 625 mg
Skin: Protective measures should be taken to prevent or reduce skin
absorption.



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National regulations - Great Britain

Hazchem-Code: -

16. Other information

Text for labeling: Contains < 3 % Propan-1-ol, < 0.1 % 2-Chloracetamide. Safety data sheet available on request.

Hazard rating systems: NFPA Hazard Rating:
Health: 1 (Slight)
Fire: 0 (Minimal)
Reactivity: 0 (Minimal)



HMIS Version III Rating:
Health: 1 (Slight)
Flammability: 0 (Minimal)
Physical Hazard: 0 (Minimal)
Personal Protection: X = Consult your supervisor

| | |
|-----------------|---|
| HEALTH | 1 |
| FLAMMABILITY | 0 |
| PHYSICAL HAZARD | 0 |
| | X |

Reason of change: Changes in section 2: Labeling

Date of first version: 8/8/2007

Department issuing data sheet

Contact person: see section 1: Dept. responsible for information

The information in this data sheet has been established to our best knowledge and was up-to-date at time of revision. It does not represent a guarantee for the properties of the product described in terms of the legal warranty regulations.