Safety Data Sheet

According to Regulation (EU) No. 1907/2006 (REACH)
Product Name: Glucose, Hexokinase, Reagent R2
Version: 03
Date: February 06, 2024

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Section 1. Identification of the substance/mixture and of the company/undertaking

1.1. Product Identifier

Glucose, Hexokinase, Reagent R2

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

Relevant identified use
Reagent for in-vitro diagnostics in human samples.
For professional use only.

Uses advised against
None

1.3. Details of the supplier of the safety data sheet

Dialab Produktion und Vertrieb von chemisch-technischen Produkten und Laborinstrumenten Gesellschaft m.b.H
Hondastrasse, Objekt M55, IZ-NOE Sued, 2351 Wr. Neudorf, Austria

Phone / e-mail: +43 2236 660 910 0 / office@dialab.at

Responsible person:
safety@dialab.at

1.4. Emergency telephone number

+43 1 406 43 43 (Gesundheit Österreich GmbH, 24 h)

Section 2. Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) 1272/2008 (CLP):
The mixture is classified as not hazardous.

2.2. Label elements

Regulation (EC) 1272/2008 (CLP):

Pictogram(s) and signal words:
Not applicable

Hazard-determining components of labelling:

Hazard statements:
Not applicable

Precautionary statements:
Not applicable

Special labelling:
EUH210 Safety data sheet available on request.

2.3. Other hazards

Information about Imidazole: May damage fertility or the unborn child.

Endocrine disrupting properties, Results of PBT and vPvB assessment:
No data available.

Section 3. Composition / information on ingredients

3.1. Substances

This product is a mixture.

3.2. Mixtures

Chemical characterisation: Aqueous solution of inorganic salts and organic compounds.

Hazardous ingredients:

Imidazole, REACH: 01-2119485825-24-xxxx, EC-No.: 206-019-2, CAS No.: 288-32-4.
Concentration (%): < 0.2 %
Classification according to Regulation (EC) 1272/2008: Acute Tox. 4; H302. Skin Corr. 1C; H314. Repr. 1B; H360D.

The wording of the listed hazard warnings can be found in Section 16.

Additional information: Contains Sodium azide (0.95 g/L) as preservative.

Substances that are on the "Candidate List of Substances of Very High Concern (SVHC) for authorization by the European Chemicals Agency (ECHA) are not intended to be part of this product. It is therefore not to be expected that these substances are contained in the product in quantities of > 0.1 %.

Section 4. First aid measures

4.1. Description of first aid measures

Following inhalation:
Provide fresh air. If the casualty has difficulty breathing, call a doctor immediately.

Following skin contact:
Change contaminated clothing. Remove residues with water. In case of skin reactions, consult a physician.

Following 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. In case of troubles or persistent symptoms, consult an opthalmologist.

Following ingestion:
Rinse mouth thoroughly with water. Do not induce vomiting without medical advice.
Have victim drink large quantities of water, with active charcoal if possible.
Seek medical attention. Never give anything by mouth to an unconscious person.

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

May be harmful if swallowed. Can cause skin, eye and respiratory tract irritation.

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

Treat symptomatically.

Section 5. Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:
Product is non-combustible. Extinguishing materials should therefore be selected according to surroundings.

Unsuitable extinguishing media:
No data available.

5.2. Special hazards arising from the substance or mixture

Fires in the immediate vicinity may cause the development of dangerous vapours.
In case of fire may be liberated: Sodium compounds, nitrogen oxides (NOx), carbon monoxide and carbon dioxide.

5.3. Advice for firefighters

Special protective equipment for firefighters:
In case of surrounding fires: Wear self-contained breathing apparatus.

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

Section 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel:
Avoid contact with skin and eyes. Wear appropriate protective equipment. Provide adequate ventilation.

For emergency responders:
No data available.

6.2. Environmental precautions

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

6.3. Methods and material for containment and cleaning 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.

6.4. Reference to other sections

Refer additionally to section 8 and 13.

Section 7. Handling and storage

7.1. Precautions for safe handling

Provide adequate ventilation, and local exhaust as needed. Avoid contact with skin and eyes.
Wear appropriate protective equipment.
Keep all containers, equipment and working place clean. Wash hands before breaks and after work. When using do not eat, drink or smoke.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storerooms and containers:	Keep containers tightly closed and at a temperature between 2 °C and 8 °C. Protect from light. Keep sterile.
Hints on joint storage	Keep away from food, drink and animal feedingstuffs. Do not store together with acids/alkalies and oxidation agents.
Storage class:	12 = Non-combustible liquids.

7.3. Specific end use(s):

No information available.

Section 8. Exposure controls/personal protection

8.1. Control parameters

Additional information: Contains no substances with occupational exposure limit values.

8.2. Exposure controls

Provide good ventilation and/or an exhaust system in the work area.

Appropriate engineering controls
No data available.

Individual protection measures, such as personal protective equipment

Respiratory protection:	If vapours form, use respiratory protection. Use filter type A (= against vapours of organic substances) according to EN 14387.
Hand protection:	Protective gloves according to EN 374. Glove material: Nitrile rubber - Breakthrough time: >480 min. Observe glove manufacturer's instructions concerning penetrability and breakthrough time.
Eye protection:	Tightly sealed goggles according to EN 166.

Body protection: Wear suitable protective clothing.

General protection and hygiene measures: Avoid contact with skin and eyes. Change contaminated clothing. Wash hands before breaks and after work. When using do not eat, drink or smoke.

Environmental exposure controls
Refer to "6.2 Environmental precautions".

Section 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties:

Parameter	Value / test method / remarks
Physical State	At 20 °C and 101.3 kPa: liquid
Colour	Colourless, clear
Odour	no characteristic odour
Melting point / freezing point	No data available
Boiling point or initial boiling point and boiling range	No data available
Flammability	No data available
Lower and upper explosion limit	No data available
Flash point	Not combustible
Auto-ignition temperature	No data available
Decomposition temperature	No data available
pH	At 25 °C: 7.0
Kinematic viscosity	No data available
Solubility in water / in other solvents	Water: completely miscible
Partition coefficient n-octanol/water (log value)	No data available
Vapour pressure	No data available
Density and/or relative density	at 20 °C: 1.033 g/mL
Relative vapour density	No data available
Particle characteristics	Not applicable
Explosive properties	No data available
Oxidizing characteristics	No data available
Evaporation rate	No data available

9.2. Other information

Information with regard to physical hazard classes:
No data available

Other safety characteristics:
No data available

Section 10. Stability and reactivity

10.1. Reactivity

Refer to 10.3.

10.2. Chemical stability

Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions

No hazardous reactions known.

10.4. Conditions to avoid

Protect against heat /sun rays.

10.5. Incompatible materials

Strong acids and alkalis.

10.6. Hazardous decomposition products

No hazardous decomposition products when regulations for storage and handling are observed.

Thermal decomposition: No data available.

Section 11. Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Toxicological effects:

Acute toxicity (oral): Lack of data.

Acute toxicity (dermal): Lack of data.

Acute toxicity (inhalative): Lack of data.

Skin corrosion/irritation: Lack of data.

Serious eye damage/irritation: Lack of data.

Sensitisation to the respiratory tract: Lack of data.

Skin sensitisation: Lack of data.

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.

11.2. Information on other hazards

Endocrine disrupting properties:	No data available.
Other information:	Contains Sodium azide (0.95 g/L) After resorption of toxic quantities: Headache, dizziness, nausea, cough, vomiting, spasms, breathing paralysis, CNS disorders, low blood pressure, cardiovascular failure, unconsciousness, collapse.
Symptoms:	May be harmful if swallowed. Can cause skin, eye and respiratory tract irritation.

Section 12. Ecological information

12.1. Toxicity

Water Hazard Class: 1 = slightly hazardous to water.

12.2. Persistence and degradability

Further details: No data available.

12.3. Bioaccumulative potential

Partition coefficient:
n-octanol/water: No data available.

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

No data available.

12.6. Endocrine disrupting properties

No data available.

12.7. Other adverse effects

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

Section 13. Disposal considerations

13.1. Waste treatment methods

Product

Waste key:
16 05 06* = Laboratory chemicals, consisting of or containing hazardous substances, including mixtures of laboratory chemicals.
* = Evidence for disposal must be provided.

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

Package

Waste key:
15 01 02 = Plastic packaging.

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

Section 14. Transport information

14.1. UN number or ID number

ADR/RID, ADN, IMDG, IATA-DGR: Not applicable.

14.2. UN proper shipping name

ADR/RID, ADN, IMDG, IATA-DGR: Not restricted.

14.3. Transport hazard class(es)

ADR/RID, ADN, IMDG, IATA-DGR: Not applicable.

14.4. Packing group

ADR/RID, ADN, IMDG, IATA-DGR: Not applicable.

14.5. Environmental hazards

Dangerous for the environment: Substance/mixture is not environmentally hazardous according to the criteria of the UN model regulations.

Marine pollutant - IMDG: No.

14.6. Special precautions for user

No dangerous good in sense of these transport regulations.

14.7. Maritime transport in bulk according to IMO instruments

No data available.

Section 15. Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

National regulations – EC members states:
Further regulations, limitations and legal requirements: No data available.

National regulations – Austria:
Storage class: 12 = Non-combustible liquids.

National regulations – France:
No data available.

National regulations – Germany:
Storage class: 12 = Non-combustible liquids.

Water hazard class: 1 = slightly hazardous to water.

Further regulations, limitations and legal requirements: No data available.

National regulations – Switzerland:
No data available.

15.2. Chemical safety assessment

For this mixture a chemical safety assessment is not required.

Section 16. Other information

Reason of Change:
Implementation of updated requirements for the compilation of SDS according to COMMISSION REGULATION (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

Hazard statements mentioned in Sections 2 and 3:
Directive (EC) 127/2008:
H302 = Harmful if swallowed.
H314 = Causes severe skin burns and eye damage.
H360D = May damage the unborn child.
EUH210 = Safety data sheet available on request.

Abbreviations and acronyms:
Acute Tox.: Acute toxicity
ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
CAS: Chemical Abstracts Service
CLP: Classification, Labelling and Packaging
CNS: Central Nervous System
EC: European Community
EN: European Standard
EU: European Union
IATA: International Air Transport Association
IATA-DGR: International Air Transport Association – Dangerous Goods Regulations
IMDG: International Maritime Dangerous Goods
IMO: International Maritime Organization
PBT: Persistent, bioaccumulative and toxic
REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals
Repr.: Reproductive toxicity
RID: Regulations Concerning the International Carriage of Dangerous Goods by Rail
Skin Corr.: Skin corrosion
UN: United Nations
vPvB: Very persistent and very bioaccumulative

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