

SAFETY DATA SHEET

Gyrolab® Functionality Check Reagent & Wash buffer (Common sheet)

Date of preparation: 2022-05-02

Document ID / Revision: D0016629 / F

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1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 PRODUCT IDENTIFIER

Gyrolab® Functionality Check Reagent and Wash buffer (Common sheet)

Common sheet for:

Gyrolab Functionality Check Reagent

Gyrolab Functionality Check Wash Buffer

These products are part of the kit-product: Gyrolab Functionality Check kit with article number: P0005002.

ARTICLE NUMBERS

P0005012 & P0005015

1.2 RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST

Laboratory chemical, for research use only.

1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

Supplier: Gyros Protein Technologies AB
Address: Uppsala Science Park, 751 83 Uppsala
Telephone: +46 18-566 300
Fax: +46 18-566 350
E-mail: information@gyrosproteintech.com
Webpage: www.gyrosproteintech.com

1.4 EMERGENCY TELEPHONE NUMBER

Local emergency number (acute)

Swedish Poisons Information Centre +46 (0)10-456-67-00 (working hours)

2. HAZARDS IDENTIFICATION

2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE ACCORDING TO CLP (DIRECTIVE 1272/2008/EC): -

2.2 LABEL ELEMENTS

LABELLING ACCORDING TO CLP (DIRECTIVE 1272/2008/EC)

The products contain no substances which, in the present form or concentration, result in any labeling according to the current legislation.

2.3 OTHER HAZARDS

No known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

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3.2 MIXTURES

Composition according to CLP (Directive 1272/2008/EC):

The products contain no substances which, in the present form or concentration, result in any labeling according to the current legislation.

Contains <0,02 % Sodium Azide (CAS 26628-22-8) and <0,01 % 5-Bromo-5-nitro-1,3-dioxane (CAS 30007-47-7) added as preservatives. Also contains components originating from bovine serum and milk as well as components originating from algae (Spirulina Platensis). These components are from well-controlled sources/manufacturers.

4. FIRST AID MEASURES

4.1 DESCRIPTION OF FIRST AID MEASURES

GENERAL RECOMMENDATION

Keep the victim warm and calm. Never give anything to eat or drink to an unconscious person. If uncertain or if symptoms remain, consult a doctor. Show this SDS to medical personnel.

AFTER INHALATION

Supply fresh air and rest. Consult a doctor if symptoms remain.

AFTER SKIN CONTACT

Rinse with soap and water.

AFTER EYE CONTACT

Rinse opened eye for several minutes under running water. Keep eyelids apart. Remove contacts if present. Consult a doctor if symptoms remain.

AFTER INGESTION

Rinse the mouth with running water. Drink a few glasses of water. Consult a doctor if symptoms remain.

4.2 MOST IMPORTANT SYMPTOMS AND EFFECT, BOTH ACUTE AND DELAYED

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4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

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5. FIREFIGHTING MEASURES

5.1 EXTINGUISHING MEDIA

Choose suitable extinguishing media for the surrounding fire.

5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

Non-flammable product. Avoid inhalation of fumes from the fire.

5.3 ADVICE FOR FIREFIGHTERS

Wear protective equipment suitable for chemical fires, including breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Use protective equipment according to section 8 of this SDS.

6.2 ENVIRONMENTAL PRECAUTIONS

Do not allow entering sewers/ surface or ground water. Inform the emergency services in case

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of a big spill.

6.3 METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Transfer to a closable, labelled salvage container for disposal by an appropriate method. See Section 13.

6.4 REFERENCE TO OTHER SECTIONS

Refer to section 8 and 13 of this SDS for information on protective equipment and waste handling.

7. HANDLING AND STORAGE

7.1 PRECAUTIONS FOR SAFE HANDLING

Use protective equipment according to section 8 of this SDS. Wash of hands after working with the product. No eating or drinking when working with the product.

7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Store away from foodstuff. Storage temperature +4 to +8 °C. Protect from freezing.

7.3 SPECIFIC END USE(S)

See EWC code in section 13 of this SDS.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 CONTROL PARAMETERS

OCCUPATIONAL EXPOSURE LIMIT VALUES (ACCORDING TO DIRECTIVES 91/322/EEG, 2000/39/EG AND 2006/15/EG)

No values apply to the product.

PNEC

No data available.

DNEL

No data available.

EXPOSURE CONTROLS

RESPIRATORY PROTECTION

Normally none needed.

HAND PROTECTION

Most plastic/rubber gloves are suitable. Break-through times can vary depending on thickness, use and source. Change gloves regularly. Contact your supplier of protective equipment for more information.

EYE/FACE PROTECTION

Splash proof safety glasses or goggles should be used when working with all laboratory chemicals.

SKIN PROTECTION

Laboratory coat or overalls.

HYGIENE MEASURES

No food, drinks or smoking at the workplace. Remove all contaminated clothes. Wash hands and/or face before breaks and at the end of the workday.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 INFORMATION ON FUNDAMENTAL PHYSICAL AND CHEMICAL PROPERTIES

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(a) Appearance	Clear liquid
(b) Odour	None
(c) Odour threshold	No information available
(d) pH	7,35-7,45
(e) Melting point/ freezing point	No information available
(f) Initial boiling point and boiling range	No information available
(g) Flash point	No information available
(h) Evaporation rate	No information available
(i) Flammability (gas, solid)	None
(j) Upper/lower flammability or explosive limits	None
(k) Vapour pressure	None
(l) Vapour density	No information available
(m) Relative density	No information available
(n) Solubility(ies)	Complete soluble in water
(o) Partition coefficient: n-octanol/water	None
(p) Auto-ignition temperature	None
(q) Decomposition temperature	None
(r) Viscosity	No information available
(s) Explosive properties	None
(t) Oxidising properties	None
Water content	96-99 w-% depending on the product
Solid content	1-4 w-% depending on the product
VOC	0

9.2 OTHER INFORMATION

Physical hazard class: -

9.2.2 Other safety characteristics

a)	mechanical sensitivity	Not determined
b)	self-accelerating polymerisation temperature	Not determined
c)	formation of explosible dust/air mixture	Not determined
d)	acid/alkaline reserve	Not determined
e)	evaporation rate	Not determined
f)	miscibility	Not determined

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g)	conductivity	Not determined
h)	corrosiveness	Not determined
i)	gas group	Not determined
j)	redox potential	Not determined
k)	radical formation potential	Not determined
l)	photocatalytic properties	Not determined

10. STABILITY AND REACTIVITY

10.1 REACTIVITY

Stable under normal conditions of handling and storage.

10.2 CHEMICAL STABILITY

Stable under normal conditions of handling and storage.

10.3 POSSIBILITY OF HAZARDOUS REACTIONS

Stable under normal conditions of handling and storage.

10.4 CONDITIONS TO AVOID

Protect from freezing.

10.5 INCOMPATIBLE MATERIALS

None known.

10.6 HAZARDOUS DECOMPOSITION PRODUCTS

None known.

11. TOXICOLOGICAL INFORMATION

11.1 INFORMATION ON TOXICOLOGICAL EFFECTS

	ACUTE EFFECTS	CHRONIC EFFECTS
SKIN CONTACT	-	-
EYE CONTACT	-	-
INHALATION	-	-
INGESTION	-	-

ACUTE TOXICITY

TOXICOLOGICAL DATA FOR THE PRODUCT AS IS

No data available.

TOXICOLOGICAL DATA FOR INCLUDED COMPONENTS

The products contain no substances which, in the present form or concentration, result in any labeling according to the current legislation.

(a) acute toxicity

The products contain no substances which, in the present form or concentration, result in any labeling according to the current legislation.

(b) skin corrosion/irritation

No corrosive/irritating effects known.

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(c) serious eye damage/irritation

No effects known

(d) respiratory or skin sensitisation

No sensitizing effects known.

(e) germ cell mutagenicity

No mutagenicity known.

(f) carcinogenicity

No carcinogenicity known.

(g) reproductive toxicity

No reproductive toxicity known

(h) STOT-single exposure

No effects known.

(i) STOT-repeated exposure

No effects known.

(j) aspiration hazard

No effects known.

INTERACTIVE EFFECTS

No interactive effects known.

MISSING DATA

-

Other information:

No endocrine disruptors are present in notifiable concentrations.

12. ECOLOGICAL INFORMATION

- 1.
2. **12.1 TOXICITY**
Not classified as an environmental hazard.
3. **ECOLOGICAL DATA FOR THE PRODUCT AS IS**
4. No data available.
5. **ECOLOGICAL DATA FOR INCLUDED COMPONENTS**
6. The products contain no substances which, in the present form or concentration, result in any labeling according to the current legislation.
7. **12.2 PERSISTENCE AND DEGRADABILITY**
No data available.
8. **12.3 BIOACCUMULATIVE POTENTIAL**
No data available.
9. **12.4 MOBILITY IN SOIL AND WATER**
Completely soluble in water.
10. **12.5 RESULTS OF PBT AND vPvB ASSESSMENT**
11. No data available.
12. **12.6 ENDOCRINE DISRUPTORS**
13. No endocrine disruptors are present in notifiable concentrations
14. **12.7 OTHER ADVERSE EFFECTS**
15. No other adverse effects known.
16. **SUMMARY**
17. The product is not classified as an environmental hazard. However, do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

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13. DISPOSAL CONSIDERATIONS

13.1 DISPOSAL FROM EXCESS/UNUSED PRODUCT

Unused product is not hazardous waste according to directive 2000/532/EC.

Suggestion of EWC codes:

16 05 09 - Discarded chemicals other than those mentioned in 16 05 06, 16 05 07 or 16 05 08.

WASTE

Waste is not classified as hazardous waste but should be taken care of in conformity with national and local regulations.

WASTE TREATMENT METHODS

Not hazardous waste but should be taken care of in conformity with national and local regulations.

CONTAMINATED PACKAGING

Contaminated packaging is not considered hazardous waste but should be taken care of in conformity with national and local regulations.

14. TRANSPORT INFORMATION

Not classified as dangerous goods according to ADR/RID/IMO/DGR.

14.1 UN number

-

14.2 UN proper shipping name

-

14.3 Transport hazard class(es)

-

14.4 Packing group

-

14.5 Environmental hazards

-

14.6 Special precautions for user

-

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

-

15. REGULATORY INFORMATION

15.1 SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE

Safety data sheet and classification in accordance with CLP (Regulation 1272/2008/EC) and Commission Regulation (EU) 878/2020 (REACH, Annex II).

15.2 CHEMICAL SAFETY ASSESSMENT

A Chemical safety assessment (CSA) according to REACH has not been conducted for the product. See section 16 for further information.

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16. OTHER INFORMATION

H PHRASES GIVEN UNDER SECTION 3 IN PLAIN TEXT

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LEGEND TO ABBREVIATIONS

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LITERATURE REFERENCES AND SOURCES FOR DATA

Refer to chemical safety assessment (CSA) for sources.

CHANGES MADE IN CASE OF REVISIONS

Version A: First edition.

Version B: Spelling error corrected.

Version C: Update in accordance with the Regulation 830/2015/EC.

Version D: Spelling error corrected.

Version E (2017-11-08): Changed [™] to [®]

Version F (2022-04-21): General update. Changes in Sections 1, 8, 9, 11, 12, 15, and 16.

OTHER

The current Material Safety Data Sheet was defined by Gyros AB on the basis of knowledge of the product at the date of issue.

It is the duty of the operator

- to develop under his own responsibility, the safety dispositions regarding the operation of the product taking into account the data from this form
- to pass to all users and operators the appropriate safety data and warning regarding the risks mentioned in the documentation relative to the utilisation of the product
- to be cautious of possible risks faced when the product is used for other utilisation than those for which it has been designed

This SDS has been compiled with assistance from Amasis Konsult AB, Solna, Sweden.