

Safety data sheet

EASI-EXTRACT® VITAMIN B12 / EASI-EXTRACT® VITAMIN B12 (LGE) (SDS.B12.V1)

SDS according to (EC) No. 1907/2006

Issued:

April 2018

Valid:

April 2020

A safety data sheet is not required for this product under Article 31 of REACH. This SDS has been created on a voluntary basis.

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

1.1 Product identifier

Product	Art. No.:
EASI-EXTRACT® VITAMIN B12	P80
EASI-EXTRACT® VITAMIN B12 (LGE)	P88

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

Identified uses: Immunoaffinity column
 Uses advised against: N/A

1.3 Details of the supplier of the safety data sheet

Company: R-Biopharm Rhône Ltd
 Block 10 Todd Campus
 West of Scotland Science Park
 Acre Road, Glasgow G20 0XA
 Technical phone: + 44 (0) 141 945 2924
 Technical fax: + 44 (0) 141 945 2925
 E-mail address: info@r-biopharmrhone.com

1.4 Emergency telephone number

+44 (0) 141 945 2924
 Monday - Friday, 8.30 am - 4.30 pm
 English speaking.

Section 2 - Hazard identification

2.1 Classification of the substance or mixture

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

2.2 Label elements

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

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

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Section 3 - Composition / information on ingredients

3.1 Substances

Polypropylene columns containing a gel matrix coated with monoclonal antibodies specific to the toxins of interest in a phosphate buffered saline solution (containing 0.095 % Sodium Azide as a preservative). The gel matrix is held in the columns by polyethylene frits.

3.2 Mixtures

Not applicable.

Section 4 - First aid measures

4.1 Description of first aid measures

No special measures required.

In case of skin contact (with PBS):

Wash off with soap and plenty of water.

In case of eye contact:

As a precaution, flush eyes with water.

If ingested:

If conscious and alert, wash out mouth with water. Never give anything by mouth to an unconscious person. Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed

No data available.

4.3 Indication of any immediate medical attention and special treatment needed

No data available.

Section 5 - Fire fighting measures

5.1 Extinguishing media

CO₂, powder or water spray.

5.2 Special hazards arising from the substance or mixture

No data available.

5.3 Advice for firefighters

No data available.

5.4 Further information

No data available.

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Section 6 - Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear personal protective equipment, such as a lab coat, gloves and eye protection.

6.2 Environmental precautions

No data available.

6.3 Methods and materials for contaminant and cleaning up

Pick up and arrange disposal. Keep in suitable containers for disposal.

6.4 Reference to other sections

For disposal see section 13.

Section 7 - Handling and storage

7.1 Precautions for safe handling

Follow Instructions For Use supplied with the kit for precautions to be taken when handling samples with the product.

7.2 Storage

Store immunoaffinity columns at 2 - 8 °C. Do not freeze.

Section 8 - Exposure controls / personal protection

8.1 Ingredients with limit values that require monitoring in the workplace

This product does not contain any relevant quantities of materials with critical values that have to be monitored in the workplace.

8.2 Exposure controls

Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of the work day.

Eye/face protection

Face shield and safety glasses. Use equipment for eye protection tested and approved under appropriate government standards such as EN 166(EU).

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices.

Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Body protection

Wear lab coat.

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Respiratory protection

No data available.

Control of environmental exposure

No data available.

Section 9 - Physical and chemical properties

a	Appearance	Form: column containing gel and liquid. Colour: translucent gel, colourless liquid.
b	Odour	Odourless
c	Odour threshold	No data available
d	pH	No data available
e	Melting pt. / freezing pt.	7.4
f	Initial boiling point	No data available
g	Flash point	No data available
h	Evaporation rate	No data available
i	Flammability (solid, gas)	No data available
j	Upper / lower explosion limit	No data available
k	Vapour pressure	No data available
l	Vapour density	No data available
m	Relative density	No data available
n	Water solubility	No data available
o	Partition coefficient: noctanol / water	No data available
p	Auto-ignition temperature	No data available
q	Decomposition temperature	No data available
r	Viscosity	No data available
s	Explosive properties	No data available
t	Oxidizing properties	No data available

9.2 Other safety information

No data available.

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Section 10 - Stability and reactivity

10.1 Reactivity

No data available.

10.2. Chemical stability

Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions

No data available.

10.4. Conditions to avoid

No data available.

10.5. Incompatible materials

No data available.

10.6. Hazardous decomposition products

No data available.

Section 11 - Toxicological information

1.1 information on toxicological effects

Acute toxicity	No data available
Skin corrosion / irritation	No data available
Serious eye damage / eye irritation	No data available
Respiratory or skin sensitisation	No data available
Germ cell mutagenicity	No data available
Carcinogenicity	No data available
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
Product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations, as issued at the latest version.	

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Section 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

The substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1 % or higher.

12.6 Other adverse effects

No data available.

Section 13 - Disposal considerations

13.1 Waste treatment methods

Product

After use: treat as mycotoxin waste and treat accordingly (see IFU). Observe all local regulations for disposal.

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Section 14 - Transport information

14.1 UN number *

Not applicable.

14.2 UN proper shipping name

Not applicable.

14.3 Transport hazard class(es)

Not applicable.

14.4 Packing group

Not applicable.

14.5 Environmental hazards

Not applicable.

14.6 Special precautions for user

Not applicable.

**This product is not regulated (i.e. non hazardous) for transportation.*

Section 15 - Regulatory information

This Safety Data Sheet was prepared in accordance with Regulation (EC) No. 1907/2006. This product is not subject to identification regulations under EU Directives.

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

No data available.

15.2 Chemical safety assessment

A chemical safety assessment has not been carried out for this product.

Section 16 - Other information

The above information is believed to be correct but does not purport to be all-inclusive and shall be used only as a guide. R-Biopharm Rhône Ltd shall not be held liable for any damage resulting from handling or from contact with the above product. Users should make their own investigations to determine the suitability of the information for their particular purposes.