

**EASI-EXTRACT® VITAMIN B12 / EASI-EXTRACT® VITAMIN B12 (LGE)** (SDS.B12.V3)**SDS according to (EC) No. 1907/2006****Issued:** April 2022 **Review date:** April 2024

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

CO<sub>2</sub>, 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.

## Safety data sheet

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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	Evapouration 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

Treatment, storage and transportation must comply with all national and local laws concerning health and pollution.

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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.