

Safety data sheet

AFLACARD (SDS.P27/P38.V2)

SDS according to (EC) No. 1907/2006

Issued:	April 2022	Review date:	April 2024
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Section 1 – Identification of the substance / mixture and of the company undertaking

1.1 Product identifier

Product: AFLACARD B1 / AFLACARD TOTAL
 Art. No.: P27 / P38

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

Identified uses: Qualitative screening test for the detection of aflatoxins
 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 to Friday 8.30 am - 4.30 pm
 English speaking

Section 2 – Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No.1272/2008

Mixtures

All reagents and mixtures contained in this kit are not classified according to Regulation (EC) No. 1272/2008. Although not classified, reagents should be handled with care as with all chemicals.

Substance

Cards contain nitrocellulose
 Flammable solid (category 2), H228

For full text of H statements mentioned in this section, see section 16

2.2 Label elements

Labelling according to EU Regulation (EC) No. 1272/2008
 Hazard Pictograms



Signal word: Danger

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Hazard statement(s)

H228 Flammable solid (category 2).

Precautionary statement(s)

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition source.
 No smoking.
 P280 Wear protective gloves/protective clothing.

2.3 Other hazards

None found.

Section 3 - Composition / information on ingredients

3.1 Substances

Not applicable

Hazardous ingredients according to Regulation (EC) No. 1272/2008

Component	Classification	Concentration
Nitrocellulose		small area within a plastic card
CAS-No. 9004-70-0 EC-No. 603-037-00-6	Flam. Sol. 2; H228	
Aluminium oxide		3.7 g contained with the plastic column between two frits
CAS-No. 1344-28-1 EC-No. 215-691-6		

Clean-up columns: polypropylene columns containing aluminium oxide, held in the columns by polyethylene frits.

3.2 Mixtures

All mixtures are not classified according to Regulation (EC) No. 1272/2008, and any potential hazardous components are below the concentration limits required by REACH.

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Section 4 - First aid measures

4.1 Description of first aid measures

In case of ingestion:	Never give anything by mouth to an unconscious person. Do not induce vomiting without medical advice. Get medical attention if symptoms occur.
If case of inhalation:	Move person into fresh air. Consult a physician.
In case of skin contact:	Wash off with soap and plenty of water. Consult a physician.
In case of eye contact:	Flush eyes with water as a precaution. Remove contact lenses if possible, then consult a physician.

4.2 Most important symptoms and effects, both acute and delayed

See section 2.2 and section 11.

4.3 Indication of any immediate medical attention and special treatment needed

No data available.

Section 5 - Fire fighting measures

5.1 Extinguishing Media

Use water spray, alcohol resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture

Flammable solid (i.e. membrane strips). Nitrogen oxides may be produced.

5.3 Advice for firefighters

Wear self-contained breathing apparatus and protective suit.

5.4 Further information

Other components (mixtures) are not flammable. In case of fire, toxic vapours, e.g. nitric acid and carbon dioxide can be released.

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

Prevent further leakage if safe to do so.

6.3 Methods and materials for containment and cleaning up

Soak up the spill with an inert absorbent material (e.g. paper towels). Place the waste in a suitable closed container (e.g. plastic bag) for disposal. Wash away any residue with water.

6.4 Reference to other sections

For disposal see section 13.

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Section 7 - Handling and storage

7.1 Precautions for safe handling

Keep away from sources of ignition – No smoking. Ensure adequate ventilation and avoid formation of aerosols. Wear personal protective equipment such as a lab coat, gloves and eye protection. Avoid contact with skin and eyes.

7.2 Conditions for safe storage, including any incompatibilities

Keep containers tightly closed, store kits upright at 2- 8 °C.

7.3. Specific end use(s)

Apart from the uses mentioned in section 1, no other specific uses are stipulated.

Section 8 - Exposure controls / personal protection

8.1 Components with workplace control parameters

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

8.2 Exposure controls

Appropriate engineering controls

Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product. Personal Protective Equipment

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.

Respiratory protection

Not applicable.

Control of environmental exposure

No data available.

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Section 9 - Physical and chemical properties

9.1. Information on basic physical and chemical properties

a	Appearance Card membrane Antibody conjugate Substrate Clean-up columns	Form: solid, colour: white Form: liquid, colour: colourless Form: liquid, colour: colourless Form: solid powder in polypropylene column, colour: off white
b	Odour	No data available
c	Odour threshold	No data available
d	pH	No data available
e	Melting pt. / freezing pt.	No data available
f	Initial boiling point	No data available
g	flash point	No data available
h	Evaporation rate	No data available
i	Flammability (solid, gas)	Nitrocellulose membrane becomes a 'Flammable Solid Category 2' when removed from packaging.
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: n-octanol / 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

Under normal conditions of storage and use, hazardous reactions will not occur.

10.4. Conditions to avoid

Avoid all sources of ignition (spark or flame).

Avoid light heat and moisture (will destroy the quality of the product).

10.5. Incompatible materials

Strong oxidising agents and reducing agents.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposed products should not be produced.

Section 11 - Toxicological information

11.1 Information on toxicological effects

Acute toxicity

No data available.

Skin corrosion/irritation

No data available.

Serious eye damage/irritation

No data available.

Respiratory or skin sensitisation

No data available.

Germ cell mutagenicity

No data available.

Carcinogenicity

IARC: No component present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed carcinogenic by IARC.

STOT – single/ repeated exposure

No data available.

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Reproductive toxicity

No data available.

Aspiration hazard

No data available.

Additional information

RTECS: Not available.

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

Not required.

12.6. Other adverse effects

No data available.

Section 13 - Disposal

13.1 Waste treatment methods

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. Packaging group

Not applicable.

14.5. Environmental hazards

Not applicable.

14.6. Special precautions for user

Not applicable.

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.

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Section 16 - Other information

Full text of H statements (referred to in sections 2 and 3):

H228 Flammable solid.

List of abbreviations and acronyms:

CLP	Classification Packaging and Labelling
Flam. Sol. 2	Flammable Isolid Category 2
REACH	Registration Evaluation and Authorisation of Chemicals
RTECS	Registry of toxic effects of chemical substances
SDS	Safety Data Sheet
STOT	Specific target organ toxicity

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.