

SAFETY DATASHEET

CELLULOSE ACETATE MEMBRANE



This Safety Datasheet complies with the requirements of Regulation (EC) No 1907/2006

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

1.1 Product Identifier: 82000 / 82100 / 82200/ 82300 / 82400 / 82500 / 82700

1.2 Relevant identified uses of the substance or mixture and uses advised against: Membrane used in hospitals and laboratories for electrophoresis.

1.3 Details of the supplier of the Safety Data Sheet:

Apacor Limited, Unit 5 Sapphire Centre, Fishponds Road, Wokingham, Berkshire, RG41 2QL, England
+44 (0) 118 979 5566
technical@apacor.com

1.4 Emergency telephone number:

+44 (0)118 979 5566
(Monday-Friday 0900-1700 excluding UK Public Holidays)

SECTION 2 HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

2.1.1 Classification according to Regulation (EC) No 1272/2008 [CLP]

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

2.1.2 Classification according to Directive 67/548/EEC or 1999/45/EC

This substance is not classified as dangerous according to Directive 67/548/EEC.

2.1.3 See Section 16 for the full text of R-phrases and H-Statements mentioned in this Section.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 [CLP]
The product does not need to be labelled in accordance with EC directives or respective national laws.

2.3 Other hazards

No significant target effects reported.

SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

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

Component: Cellulose diacetate

CAS No: 9035-69-2

EC No: not assigned

Index No: n/a

Classification: n/a

Concentration: >1%

Component: Cellulose triacetate

CAS No: 9012-09-3

EC No: not assigned

Index No: n/a

Classification: n/a

Concentration: >1%

Hazardous ingredients according to Directive 67/548/EEC

Component: Cellulose diacetate

CAS No: 9035-69-2

EC No: not assigned

Index No: n/a

Classification: n/a

Concentration: >1%

Component: Cellulose triacetate

CAS No: 9012-09-3

EC No: not assigned

Index No: n/a

Classification: n/a

Concentration: >1%

SECTION 4 FIRST AID MEASURES

4.1 Description of first aid measures

If inhaled: If adverse effects occur, remove to uncontaminated area. Get medical attention.

In case of skin contact: Wash exposed skin with soap and water.

In case of eye contact: Flush eyes with plenty of water.

If swallowed: If a large amount is swallowed, get medical attention.

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (Section 2.2) and/or 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

Suitable extinguishing media: carbon dioxide, regular dry chemical, regular foam, water

5.2 Special hazards arising from the substance or mixture

Slight fire hazard. Dust/air mixtures may ignite or explode.

5.3 Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary. Move container from fire area if it can be done without risk. Avoid inhalation of material or combustion by-products. Stay upwind and keep out of low areas.

SECTION 6 ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

No data available.

6.2 Environmental precautions

Collect material in appropriate container for disposal. Keep out of water supplies and sewers.

6.3 Methods and material for containment and cleaning up

Collect material in appropriate container for disposal.

6.4 Reference to other sections

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SECTION 7 HANDLING AND STORAGE

7.1 Precautions for safe handling

Use methods to minimize dust.

7.2 Conditions for safe storage, including any incompatibilities

Store and handle in accordance with all current regulations and standards. Avoid generating dust. See original container for storage recommendations. Keep separated from incompatible substances.

7.3 Specific end use(s)

No other specific uses are specified apart from those listed in Section 1.2.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

No occupational exposure limits established.

8.2 Exposure controls

8.2.1 Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday. Based on available information, additional ventilation is not required. Ensure compliance with applicable exposure limits.

8.2.2 Personal protective equipment

(a) Eye/face protection

Eye protection not required under normal conditions.

(b) Skin protection

Protective gloves are not required under normal conditions.

(c) Body protection

Protective clothing is not required under normal conditions.

(d) Respiratory protection

No respirator is required under normal conditions of use.

Under conditions of frequent use or heavy exposure, respiratory protection may be needed.

8.2.3 Environmental exposure controls

Keep out of water supplies and sewers.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

a) Appearance membrane

b) Odour slight acetate odour

c) Odour threshold no data available

d) pH no data available

e) Melting point / freezing point no data available

f) Initial boiling point and boiling range 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 flammability or explosive limits no data available

k) Vapour pressure no data available

l) Vapour density no data available

m) Relative density no data available

n) Solubility(ies) 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) Oxidising properties no data available

9.2 Other information no data available

SECTION 10 STABILITY AND REACTIVITY

10.1 Reactivity

No data available.

10.2 Chemical stability

Stable at normal temperatures and pressure.

10.3 Possibility of hazardous reactions

Will not polymerize.

10.4 Conditions to avoid

Avoid heat, flames, sparks and other sources of ignition. Avoid contact with incompatible materials.

10.5 Incompatible materials

Oxidizing materials.

10.6 Hazardous decomposition products

Thermal decomposition products: oxides of carbon.

SECTION 11 TOXICOLOGICAL INFORMATION

11.1 Information of 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: IARC: no component of this product present at levels greater than 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

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

Additional Information

Cellulose triacetate:

>1000 mg/kg skin-guinea pig LD50 (Van Waters & Rogers);

>3200 mg/kg oral-rat LD50 (Van Waters & Rogers)

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.

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12.5 Results of PBT and vPvB assessment

No data available.

12.6 Other adverse effects

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12.7 Additional information

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SECTION 13 DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Dispose in accordance with all applicable regulations.

SECTION 14 TRANSPORT INFORMATION

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 MARPOL73/78 and the IBC Code

Not intended to be transported in bulk.

SECTION 15 REGULATORY INFORMATION

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

European regulations: not determined.

US regulations: not regulated.

Canadian regulations: not determined.

15.2 Chemical Safety Assessment

Chemical safety assessment has not been carried out for this product.

SECTION 16 OTHER INFORMATION

The above products contain no hazardous or carcinogenic chemical in concentrations above the levels (1% and 0.1%, respectively) considered reportable.

However, the products should be handled with the care normally shown when handling laboratory chemicals and may be disposed of by any means considered appropriate for non-hazardous laboratory chemicals.

The information supplied in this MSDS is correct to the best of our knowledge. We do not accept any liability for loss, injury or damage, which may result from its use.