

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

SARTORIUS

Microsart e.motion Membrane Filters CN gridded, white|black, sterile, 0.45 µm, 47 mm, pack size 3x100

Version	Revision Date:	SDS Number:	Date of last issue: 31.03.2021
1.2	09.06.2021	SAG-RG000011	Date of first issue: 09.02.2021

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name	: Microsart e.motion Membrane Filters CN gridded, white black, sterile, 0.45 µm, 47 mm, pack size 3x100
Product code	: 11406Z-47----SCM
Substance name	: CN membrane filter, sterile, pore size 0.2 µm - 8 µm, membrane colour white, green or black, Leporello SC packaging

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

Use of the Substance/Mixture	: This article contains nitrocellulose membrane filters, H 228, flammable solid (GHS classification) for microbiology testing. The article contains membrane filter rounds with interleaf paper which are separately packed in bags. The dangerous good classification is UN 3270 with the special provisions ADR / IMDG 286 and IATA A122. This safety data sheet summarizes instructions for safe transport, storage and handling of the single sterile membrane.
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1.3 Details of the supplier of the safety data sheet

Company	: Sartorius Lab Instruments GmbH & Co.KG Otto-Brenner-Straße 20 37079 Göttingen
E-mail address of person responsible for the SDS	: Department CA-FM Environment@sartorius.com

1.4 Emergency telephone number

UK/Europe/Global: +44.1865.407.333 (Sartorius 29003)
United States: +1.866.928.0789 (Toll free), (Sartorius 29003)
Canada: +1.800.579.7421 (Toll free), (Sartorius 29003)
United States & Canada (geographic): +1.202.464.2554 (Sartorius 29003)
Asia-Pacific/East & South East Asia (without China): +65.3158.1074 (Sartorius 29003)
Japan: +81.3.4578.9341 (Sartorius 29003)
Indonesia: 007.803.011.0293 (Toll free Indonesia), (Sartorius 29003)
Malaysia: +60.3.6207.4347 (Sartorius 29003)
Thailand: 001.800.120.666.751 (Toll free Thailand), (Sartorius 29003)
India: 000.800.100.7479 (Toll free India) or +65.3158.1198 (Sartorius 29003)
South Korea: +82.2.3479.8401 (Sartorius 29003)
Australia: +61.2.8014.4558 (Sartorius 29003)
New Zealand: +64.9.929.1483 (Sartorius 29003)
Middle East/Africa: +44.1235.239671 (Sartorius 29003)

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SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Flammable solids, Category 1

H228: Flammable solid.

Classification (67/548/EEC, 1999/45/EC)

highly flammable

R11: Highly flammable.

2.2 Label elements

Labelling REGULATION (EC) No 1272/2008

Hazard pictograms

:



Signal word

:

Danger

Hazard statements

:

H228

Flammable solid.

Precautionary statements

:

Prevention:

P243

Take precautionary measures against static discharge.

P234

Keep only in original container.

P233

Keep container tightly closed.

P210

Keep away from heat/sparks/open flames/hot surfaces. No smoking.

Response:

P370 + P380

In case of fire: Evacuate area.

Disposal:

P501

Dispose of contents/ container to an approved waste disposal plant.

2.3 Other hazards

None known.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Chemical nature

: Article

This box of articles contains sterile Nitrocellulose membrane filters with interleaf paper which are separately packaged in a Leporello bag. Each bag contains approximately 70 mg Nitro-

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cellulose membrane.

Hazardous components

CAS-No. EC-No. Registration number	Chemical name	Classification (67/548/EEC)	Classification (REGULATION (EC) No 1272/2008)	Concentration (%)
9004-70-0	Nitrocellulose	F; R11	H228	<= 7

For explanation of abbreviations see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice : No hazards which require special first aid measures.
This article is not dangerous for health and safety of persons
in accordance with its intended use.

4.2 Most important symptoms and effects, both acute and delayed

None known.

4.3 Indication of any immediate medical attention and special treatment needed

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media : Water

Unsuitable extinguishing media : Dry chemical
Foam
Carbon dioxide (CO₂)

5.2 Special hazards arising from the substance or mixture

Specific hazards during fire-fighting : Hazardous gas or vapour can develop in case of fire.
Exposure to nitrous gases may be a hazard to health.

5.3 Advice for firefighters

Further information : In case of fire: Burns with high combustion rate, high flames
under formation of nitrous gases.

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SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Keep away from open flames, hot surfaces and sources of ignition.

6.2 Environmental precautions

Environmental precautions : No special environmental precautions required.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Remove and discard all nitocellulose membrane residues.
Clean up with water.

6.4 Reference to other sections

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling : Do not smoke.
Take precautionary measures against static discharges.
Keep away from fire, sparks and heated surfaces.
Use articles before its expiry date.

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Store at room temperature. Keep away from direct sunlight.
Store in original packaging. Store dry at room temperature, protected from direct sunlight: 15°C < T < 35°C, ≤ 70 % rel. humidity. Store separately. Do not store together with organic solvents, oxidants or fire accelerating substances, acids and bases.

Storage class (TRGS 510) : 4.1A, Other explosive hazardous materials

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7.3 Specific end use(s)

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Not applicable

8.2 Exposure controls

Personal protective equipment

Protective measures : No special protective equipment required.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	: Solid form
Odour	: odourless
Solubility(ies)	
Water solubility	: insoluble

9.2 Other information

No data available

SECTION 10: Stability and reactivity

10.1 Reactivity

10.2 Chemical stability

10.3 Possibility of hazardous reactions

Hazardous reactions : No dangerous reaction known under conditions of normal use.
No decomposition if stored and applied as directed.

10.4 Conditions to avoid

Conditions to avoid : Heat, flames and sparks.

10.5 Incompatible materials

Materials to avoid : Oxidizing agents
Acids and bases
organic solvents

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10.6 Hazardous decomposition products

No decomposition if stored and applied as directed.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Further information

Product:

Remarks: Health injuries are not known or expected under normal use.

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 relevant

12.6 Other adverse effects

Product:

Additional ecological information : Remarks: This product has no known ecotoxicological effects.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product : Moisten used nitrocellulose membrane filters with water (50%).
In accordance with local and national regulations.

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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

Remarks : ADR/IMDG 286, IATA A122: Nitrocellulose membrane filters that have a weight of 0.5 g (max.) and are individually packaged are not restricted.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

SECTION 15: Regulatory information

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

Water contaminating class : nwg not water endangering
(Germany) Remarks: Not applicable

15.2 Chemical safety assessment

SECTION 16: Other information

Full text of R-Phrases

R11 : Highly flammable.

Full text of H-Statements

H228 : Flammable solid.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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