

Filters of Nitrocellulose

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|---------|----------------|--------------|---------------------------------|
| Version | Revision Date: | MSDS Number: | Date of last issue: 30.05.2017 |
| 1.5 | 07.06.2018 | SAG-RG000002 | Date of first issue: 23.05.2016 |

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

1.1 Product identifier

Trade name : Filters of Nitrocellulose

Substance name : Filters of Nitrocellulose, dangerous goods

CAS-No. : 9004-70-0

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

1.3 Details of the supplier of the safety data sheet

Company : Sartorius Corporation
Orville Drive 5
11716 Bohemia

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)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Flammable solids, Category 1

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

Highly flammable R11: Highly flammable.

2.2 Label elements

Labelling REGULATION (EC) No 1272/2008

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Hazard pictograms :



Signal word : Danger

Hazard statements : H228 Flammable solid.

Precautionary statements : **Prevention:**
P230 Keep wetted with water.
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:
P372 Explosion risk in case of fire.
P375 Fight fire remotely due to the risk of explosion.
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 : The article contains 15 % cellulose nitrate with nitrogen <=12.6 %.
cellulose ester of potassium nitrate.
Mixture

Hazardous components

| CAS-No. EC-No. Registration number | Chemical Name | Classification (67/548/EEC) | Classification (REGULATION (EC) No 1272/2008) | Concentration (%) |
|--|----------------------------|-----------------------------|---|-------------------|
| 7727-37-9 | Nitrogen in nitrocellulose | F; R11 | 4.1.1 1; H228 | <= 12,6 |

For explanation of abbreviations see section 16.

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SECTION 4: First aid measures

4.1 Description of first aid measures

- General advice : The formation of nitrous gases is possible (brown-yellow vapour) in case of fire or self-decomposition.
In case of feeling indisposed get medical advice.
Show this safety data sheet to the doctor in attendance.
- If inhaled : Persons, who have inhaled nitrous gases should lay down and keep quiet.
If symptoms persist, call a physician.
The symptoms of poisonous nitrous gas can appear several hours later.

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 powder
Foam
Carbon dioxide (CO₂)

5.2 Special hazards arising from the substance or mixture

5.3 Advice for firefighters

- Further information : In case of fire nitrose gases could be produced and high flames can occur.
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SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

6.2 Environmental precautions

6.3 Methods and material for containment and cleaning up

- Methods for cleaning up : Add lots of water and remove. Avoid sources of ignition, shock and friction. Do not smoke.

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6.4 Reference to other sections

SECTION 7: Handling and storage

7.1 Precautions for safe handling

- Advice on safe handling : Read the note of the German workers compensation organisation of the Chemical Industry to handle nitrocellulose (Germany).
Use old material first.
Obey the expiration date.
- Advice on protection against fire and explosion : Take measures to prevent the build up of electrostatic charge.
Keep away from sources of ignition - No smoking. Avoid shock and friction. Keep away from direct sunlight.

7.2 Conditions for safe storage, including any incompatibilities

- Requirements for storage areas and containers : Keep away from sources of ignition - No smoking. Do not store without interleaf paper. Do not store with acids, caustic substances, amines, oxidants or fire accelerating substances. Store in original packaging. Store at constant temperature between 15 - 25°C and at max. 70% relative humidity.

7.3 Specific end use(s)

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

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
- Auto-ignition temperature : ca. 185 °C

9.2 Other information

No data available

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SECTION 10: Stability and reactivity

10.1 Reactivity

10.2 Chemical stability

10.3 Possibility of hazardous reactions

10.4 Conditions to avoid

10.5 Incompatible materials

Materials to avoid : Oxidizing agents
Amines
Strong acids and strong bases

10.6 Hazardous decomposition products

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.

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SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product : Moisten used filter material with water (50 %) and store it in tightly closed containers until the final waste disposal. In accordance with local and national regulations.

SECTION 14: Transport information

14.1 UN number

ADR : UN 3270
IMDG : UN 3270
IATA : UN 3270

14.2 UN proper shipping name

ADR : NITROCELLULOSE MEMBRANE FILTERS
IMDG : NITROCELLULOSE MEMBRANE FILTERS
IATA : Nitrocellulose membrane filters

14.3 Transport hazard class(es)

ADR : 4.1
IMDG : 4.1
IATA : 4.1

14.4 Packing group

ADR
Packing group : II
Classification Code : F1
Labels : 4.1
IMDG
Packing group : II
Labels : 4.1
IATA
Packing group : II
Labels : 4.1

14.5 Environmental hazards

ADR
Environmentally hazardous : no
IMDG
Marine pollutant : no

14.6 Special precautions for user

Not applicable

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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: (own classification)

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.

Full text of other abbreviations

4.1.1 : Flammable Solids

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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