

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

SARTORIUS

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## CN white -black HE, non-sterile, 0.2 Åµm

Version	Revision Date:	SDS Number:	Date of last issue: 30.03.2021
1.2	09.06.2021	SAG-RG000009	Date of first issue: 11.02.2021

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

#### 1.1 Product identifier

Trade name : CN white -black HE, non-sterile, 0.2 Åµm

Product code : 13107--47----HCN

Substance name : CN membrane filters, non-sterile; pore size 0.2 Åµm - 8 Åµm; white, green or black

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

Use of the Substance/Mixture : This product contains UniSart® CN unbacked Membranes for Diagnostic Applications. UniSart® CN unbacked membrane filters are classified by GHS as "Flammable Solid", H 228, and by the DGR regulations as UN 3270, class 4.1, when stored in the original packaging. This statement is based on test and classification of Bundesanstalt für Materialforschung und – prüfung (BAM), Germany.  
The Safety Data Sheet summarizes instructions for safe transport, storage and handling of UniSart® CN unbacked Membranes.

#### 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.  
Test and Classification by Bundesanstalt für Materialforschung und –prüfung (BAM), 2017

**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:**  
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P241 Use explosion-proof electrical/ ventilating/ lighting equipment.  
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.  
**Response:**  
P370 + P378 In case of fire: Use water spray to extinguish.

**2.3 Other hazards**

None known.

**SECTION 3: Composition/information on ingredients**

**3.2 Mixtures**

Chemical nature : Article  
This article contains nitrocellulose membrane filters, H 228, flammable solid (GHS classification) for microbiology test-

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ing/filtration. The article contains membrane filter rounds with interleaf paper which are separately packed in bags. The dangerous good classification is UN 3270. This safety data sheet summarizes instructions for safe transport, storage and handling of the single non sterile 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	<= 16

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

Symptoms : No medical symptoms and effects 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 (CO<sub>2</sub>)

### 5.2 Special hazards arising from the substance or mixture

Specific hazards during fire-fighting : In case of fire nitrous gases could be produced and high flames can occur.  
Hazardous gas or vapour can develop in case of fire.  
Exposure to nitrous gases may be a hazard to health.

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### **5.3 Advice for firefighters**

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.

Further information : Burning nitrocellulose can only be extinguished by large amounts of water.  
Hazardous gas or vapour can develop in case of fire.  
Use water spray to cool unopened containers.  
In case of fire nitrous gases could be produced and high flames can occur.  
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.  
No smoking.

### **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**

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## **SECTION 7: Handling and storage**

### **7.1 Precautions for safe handling**

Advice on safe handling : Store articles separately from the workplace.  
Provide articles at the workplace for daily use only.  
Use articles before its expiry date.

Advice on protection against fire and explosion : Keep away from heat and sources of ignition. Take precautionary measures against static discharges.

Hygiene measures : Do not smoke. When using do not eat or drink.

### **7.2 Conditions for safe storage, including any incompatibilities**

Requirements for storage areas and containers : Take measures to prevent the build up of electrostatic charge.  
Store at room temperature. Keep away from direct sunlight.

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Do not store together with explosives, gases, oxidizing solids, products which form flammable gases in contact with water, oxidizing products, infectious products and radioactive products. Do not store near combustible materials. Store in original packaging. Storage conditions: Temperatur: 15°C < T < 35°C, humidity: <= 70% relative 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

### 7.3 Specific end use(s)

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## 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.

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## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Appearance	: solid
Colour	: white
Odour	: odourless
Solubility(ies)	
Water solubility	: insoluble

### 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

Hazardous reactions : No dangerous reaction known under conditions of normal use.

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No dangerous reaction known under conditions of intended use and recommended storage conditions within the expiration date.

Risk of ignition of nitrocellulose membrane filters is significantly reduced by sandwiching membranes with interleaf paper and by packaging.

No decomposition if stored and applied as directed.

### 10.4 Conditions to avoid

Conditions to avoid : Heat, flames and sparks.  
Exposure to sunlight.

### 10.5 Incompatible materials

Materials to avoid : Oxidizing agents  
organic solvents  
Acids and bases

### 10.6 Hazardous decomposition products

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## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Further information

#### Product:

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

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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

Not relevant

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### 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 : In accordance with local and national regulations.  
Moisten used nitrocellulose membrane filters with water (50%).  
Store water-soaked nitrocellulose membrane waste in closed containers until waste disposal.

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## 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

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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

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

Not applicable for product as supplied.

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## SECTION 15: Regulatory information

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

### 15.2 Chemical safety assessment

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## 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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