

**Microsart® @filter 100 – Bag version, 100 ml capacity, sterile packed in bags, CN white|black, 0.45µM High Flow**

Version 1.2      Revision Date: 06/12/2018      MSDS Number: SAG-RG000001      Date of last issue: 05/30/2017  
Date of first issue: 08/11/2016

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**SECTION 1. IDENTIFICATION**

Product name : Microsart® @filter 100 – Bag version, 100 ml capacity, sterile packed in bags, CN white|black, 0.45µM High Flow  
16D01--10-H6--BL

Product code : SAG-RG000001

**Manufacturer or supplier's details**

Company name of supplier : Sartorius Corporation  
Address : 565 Johnson Avenue  
Bohemia NY 11716

E-mail address of person responsible for the SDS : Department CA-FM Environment@sartorius.com


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****GHS Classification**

Flammable Solids : Category 1

**GHS Label element**

Hazard pictograms : 

Signal word : Danger

Hazard statements : H228 Flammable solid.

Precautionary statements : **Prevention:**  
P210 Keep away from heat/sparks/open flames/hot surfaces. -

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No smoking.  
 P234 Keep only in original container.  
 P230 Keep wetted with water.  
 P243 Take precautionary measures against static discharge.  
**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.

**Other hazards**

None known.

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical nature : Mixture

**Hazardous components**

| Chemical Name | CAS-No.                    | Concentration (%) |
|---------------|----------------------------|-------------------|
| 7727-37-9     | Nitrogen in nitrocellulose | >= <= 12.6        |

**SECTION 4. FIRST AID MEASURES**

If inhaled : Persons, who have inhaled nitrous gases should lay down and keep quiet.  
 Call a physician immediately.  
 Most important symptoms and effects, both acute and delayed : None known.

**SECTION 5. FIREFIGHTING MEASURES**

Suitable extinguishing media : Only water!  
 Specific hazards during fire-fighting : Exposure to decomposition products may be a hazard to health.  
 Further information : In case of fire nitrose gases could be produced and high flames can occur.  
 Burning nitrocellulose can only be extinguished by large amounts of water.  
 Special protective equipment for firefighters : Extinguish with water only.

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

Personal precautions, protective equipment and emergency measures : No smoking.

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gency procedures

Methods and materials for : Clean thoroughly.  
containment and cleaning up

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**SECTION 7. HANDLING AND STORAGE**

|   |   |
|---|---|
| Advice on protection against fire and explosion | : Take precautionary measures against static discharges. Keep away from sources of ignition - No smoking. Keep away from combustible material. Keep away from open flames, hot surfaces and sources of ignition.  |
| Advice on safe handling                         | : Take precautionary measures against static discharges. Smoking, eating and drinking should be prohibited in the application area.<br>Read the note of the German workers compensation organisation of the Chemical Industry to handle nitrocellulose (Germany). |
| Conditions for safe storage                     | : Store in original packaging.<br>Keep away from heat.<br>Keep away from sources of ignition - No smoking.<br>No smoking.<br>Store at constant temperature between 15 - 25°C and at max. 70% relative humidity.   |
| Materials to avoid                              | : Keep away from combustible material.<br>Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.  |

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**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Components with workplace control parameters**

**Engineering measures** : none

**Personal protective equipment**

Respiratory protection : Not required; except in case of aerosol formation.

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

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**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

|                  |             |
|------------------|-------------|
| Appearance       | : solid     |
| Odour            | : odourless |
| Solubility(ies)  |             |
| Water solubility | : insoluble |

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**SECTION 10. STABILITY AND REACTIVITY**

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|                                    |   |  |
|------------------------------------|---|--|
| Possibility of hazardous reactions | : | No dangerous reaction known under conditions of normal use.<br>Heating can release hazardous gases.<br>With oxidizing agents possible.<br>Stable under recommended storage conditions. |
| Incompatible materials             | : | Incompatible with strong acids and oxidizing agents.<br>Incompatible with strong acids and bases.  |
| Hazardous decomposition products   | : | No decomposition if stored and applied as directed.<br>Stable under recommended storage conditions.<br>Risk of ignition.   |

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**SECTION 11. TOXICOLOGICAL INFORMATION****Further information****Product:**Remarks: Health injuries are not known or expected under normal use.

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**SECTION 12. ECOLOGICAL INFORMATION****Ecotoxicity**

No data available

**Persistence and degradability**

No data available

**Bioaccumulative potential**

No data available

**Mobility in soil**

No data available

**Other adverse effects****Product:**Additional ecological information : This product has no known ecotoxicological effects.

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**SECTION 13. DISPOSAL CONSIDERATIONS****Disposal methods**Waste from residues : 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.

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**SECTION 14. TRANSPORT INFORMATION****International Regulation**

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

Not applicable for product as supplied.

## National Regulations

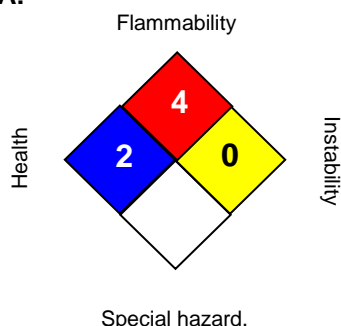
## SECTION 15. REGULATORY INFORMATION

**California Prop 65** : This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

## SECTION 16. OTHER INFORMATION

### Further information

#### NFPA:



#### HMIS III:

|                        |          |
|------------------------|----------|
| <b>HEALTH</b>          | <b>0</b> |
| <b>FLAMMABILITY</b>    | <b>4</b> |
| <b>PHYSICAL HAZARD</b> | <b>0</b> |

0 = not significant, 1 =Slight,  
 2 = Moderate, 3 = High  
 4 = Extreme, \* = Chronic

Revision Date : 06/12/2018

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