

EC-Safety Data Sheet according ISO 11014/1 and directive 2001/58/EG

Date Issued: 01.09.2009

Revision: 0001

Hahnemühle FineArt GmbH**1. Identification of the substance/preparation and of the company/undertaking****1.1 Product information**

Trade name Cellulose Nitrate Membrane Filter

1.2 Company

Hahnemühle FineArt GmbH

Sales and Marketing

Hahnestr. 5

D-37586 Dassel

Telephone: int+49 (0) 5561-791-282

Telefax: int+49 (0) 5561-791-377

E-Mail: filtration@hahnemuehle.de

1.4 Emergency Telephone

Telephone exchange for Emergency and Intoxication: +49 (0) 551/19240 or +49 (0) 551/383180
or another centre for intoxication.

2. Hazards identification

Risk advice to man and the environment.

Highly flammable.

Nitrocellulose membrane filter is a flammable material.

The ignition of nitrocellulose membrane filter may be initiated by flame, sparks, shock, heat or friction.

The formation of nitrous vapours is possible in case of fire.

Nitrocellulose membrane filters without interleaf paper have explosive properties.

Storage under improper conditions could initiate self-decomposition with formation of nitrous vapours or selfignition.

3. Composition/Informatin on ingredients**3.1 Chemical nature**Cellulose Nitrate with nitrogen $\leq 12,6\%$.

CAS-No. 9004-70-0

EINECS-No.

UN-No. 3270

4. First aid measures**4.1 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.

4.2 Inhalation

Persons, who have inhaled nitrous gases should lay down and keep quiet. If symptoms persist, call a physician. The symtoms of poisonous nitrous gas can appear several hours later.

5. Fire-fighting measures

5.1 *Suitable*

Water.

5.2 *Extinguishing media which must not be used for safety reasons*

Dry powder, Foam, Carbon dioxide (CO₂)

5.3 *Further information*

In case of fire nitrose gases could be produced and high flames can occur.

6. Accidental release measures

6.1 *Methods for cleaning up*

Add lots of water and remove. Avoid sources of ignition, shock and friction.

Do not smoke.

7. Handling and storage

7.1 *Handling*

7.1.1 *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.

7.1.2 *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 *Storage*

7.2.1 *Requirements for storage areas and containers*

Keep away from sources of ignition - No smoking.

Keep refrigerated.

Do not store without interleaf paper. Do not store with acids, caustic substances, amines, oxidants or fire accelerating substances.

Store in original packaging.

8. Exposure controls / personal protection

8.1 *Personal protective equipment*

Protective measures

No special protective equipment required.

9. Physical and chemical properties

9.1 *Appearance*

Form	Solid form
Colour	white - green - grey
Odour	none

9.2 *Safety data*

Ignition temperature	approx. 185 °C
Solubility/qualitative	soluble in ketons, ester and alcohols
Water solubility	Note: insoluble

10. Stability and reactivity

10.1 *Materials to avoid*

Oxidizing agents
Amines
Strong acids and strong bases

11. Toxicological information

11.1 *Further information*

Health injuries are not known or expected under normal use.

12. Ecological information

12.1 *Further information on ecology*

Additional ecological information This product has no known eco-toxicological effects.

13. Disposal considerations

13.1 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.

14. Transport information

14.1 *ADR / RID / GGVSE*

UN-No.	3270
Class	4.1
Packaging group	II
Description of the goods	Nitrocellulose, Cellulosenitrat/Cellulose nitrate

14.2 *IMDG*

UN-No.	3270
Class	4.1
EmS	4.1-06
MFAG	
IMDG Page	
Packaging group	II
Marine pollutant	
Description of the goods	Nitrocellulose, Cellulosenitrat/Cellulose nitrate

14.3 *IATA_C*

UN-No.	3270
Class	4.1
Packaging group	II
Description of the goods	Nitrocellulose, Cellulosenitrat/Cellulose nitrate

15. Regulatory information

15.1 *Labelling according to EC Directives*

Symbol(s)	F	Highly flammable
R-phrased(s):	R11	Highly flammable
S-phrased(s):	S16	Keep away from sources of ignition - No smoking.
	S33	Take precautionary measures against static discharges.
Further information:		Solid cellulose nitrate filters with interleaving paper are flammable

15.2 **National legislation**

Water contaminating class (Germany) NWG not water endangering
(own classification)
WGK (DE) Update: 2000

16. **Other information**

16.1 **Further information**

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.

Information taken from reference works and the literature.

Information derived from practical experience.