

**UniSart CN-Backed**

according to EC directive 93/112/EC

Print Date 06/16/2004  
Version 1 ; Revision date 16.06.2004**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING****Product information**

Trade name : UniSart CN-Backed

Company : Sartorius AG  
Weender Landstrasse 94-108  
D-37070 Goettingen

Telephone : +49/(0)551/308-0  
Telefax : +49/(0)551/308-3289  
Contact person : Product Management

**2. COMPOSITION/INFORMATION ON INGREDIENTS****Chemical nature**Cellulose Nitrate with nitrogen  $\leq$  12,6 %

CAS-No. (for main substance) : 9004-70-0  
:  
:

**3. HAZARDS IDENTIFICATION****Risk advice to man and the environment**

F Highly flammable.

**4. FIRST AID MEASURES**

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

**5. FIRE-FIGHTING MEASURES**

Suitable extinguishing media : Only water!

Extinguishing media which must not be used for safety reasons : dry powder  
foam  
carbon dioxide (CO<sub>2</sub>)

**UniSart CN-Backed**

according to EC directive 93/112/EC

Print Date 06/16/2004  
Version 1 ; Revision date 16.06.2004

- Specific hazards during fire fighting : Protect from jet of flames!
- Special protective equipment for fire-fighters : extinguish with water only  
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.  
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**6. ACCIDENTAL RELEASE MEASURES**

- Personal precautions : No smoking.
- Environmental precautions : No special environmental precautions required.
- Methods for cleaning up : Add lots of water and remove. Avoid sources of ignition, shock and friction.  
Do not smoke.

**7. HANDLING AND STORAGE****Handling**

- Advice on safe handling : Take precautionary measures against static discharges.  
Read the note of the German workers compensation organisation of the Chemical Industry to handle nitrocellulose.  
Smoking, eating and drinking should be prohibited in the application area.
- Advice on protection against fire and explosion : Keep away from sources of ignition - No smoking.  
Keep away from combustible material.  
Take precautionary measures against static discharges.  
Keep away from direct sunlight.

**Storage**

- Requirements for storage areas and containers : Store at room temperature in the original packaging.
- Advice on common storage : Keep away from combustible material.  
Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.
- German storage class : Flammable solids

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**UniSart CN-Backed**

according to EC directive 93/112/EC

Print Date 06/16/2004  
Version 1 ; Revision date 16.06.2004**Engineering measures**

none

**Personal protective equipment**

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

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

**9. PHYSICAL AND CHEMICAL PROPERTIES****Appearance**

Form : solid

Colour : white, polyester backing

Odour : none

**Safety data**

Water solubility : Note: insoluble

**10. STABILITY AND REACTIVITY**Materials to avoid : Incompatible with strong acids and bases.  
Incompatible with oxidizing agents.Hazardous decomposition products : Stable under recommended storage conditions.  
No decomposition if stored and applied as directed.  
risk of ignitionHazardous reactions : No dangerous reaction known under conditions of normal use.  
Heating can release hazardous gases.**11. TOXICOLOGICAL INFORMATION**

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

**12. ECOLOGICAL INFORMATION**

**UniSart CN-Backed**

according to EC directive 93/112/EC

Print Date 06/16/2004  
Version 1 ; Revision date 16.06.2004**Further information on ecology**

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

**13. DISPOSAL CONSIDERATIONS**

Product : In accordance with local and national regulations.

**14. TRANSPORT INFORMATION**

: Not dangerous goods in the meaning of ADR/RID, ADNR, IMDG-Code, ICAO/IATA-DGR

**15. REGULATORY INFORMATION****Labelling according to EEC Directive**

Symbol(s)	:	F	Highly flammable
R-phrases(s)	:	R11	Highly flammable.
S-phrases(s)	:	S16 S33	Keep away from sources of ignition. - No smoking. Take precautionary measures against static discharges.

**National legislation**

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

**16. OTHER INFORMATION****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.



## UniSart CN-Backed

according to EC directive 93/112/EC

Print Date 06/16/2004  
Version 1 ; Revision date 16.06.2004

Information taken from reference works and the literature.  
Information derived from practical experience.