

**Safety Data Sheet**

SE Tylose GmbH &amp; Co. KG

according to Regulation (EC) No. 1907/2006

**Tylose H 4000 NG4**

Print date: 15.08.2011

Product code: CHEE\_0007

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**1. Identification of the substance/mixture and of the company/undertaking****Identification of the substance or mixture**

Tylose H 4000 NG4

**Use of the substance/mixture**Rheological Additive  
Coating material  
Chemical for use in construction  
Special applications**Company/undertaking identification**

Company name:	SE Tylose GmbH & CO. KG	
Street:	Rheingastr. 190 - 196	
Place:	D 65203 Wiesbaden	
Contact person:	Product Safety: Mrs. Kirchhöfer	Telephone: + 49 611 962 6309
e-mail:	product.safety@setylose.de	
Internet:	www.setylose.de	
Responsible Department:	Customer Service / Sales +49 611 962 6325 reiner.posprich@setylose.de	

Responsible for the safety data sheet: sds@gbk-ingelheim.de  
Emergency Telephone: GBK Gefahrgutbuero GmbH, Tel. +49(0)6132-98 29 0 21**Further Information**REACH registration number:  
A registration number is not available for this substance as the substance or its use are exempted from registration according to Article 2 REACH Regulation (EC) No 1907/2006.**2. Hazards identification****Classification**This mixture is not classified as dangerous according to Directive 1999/45/EC.  
The product can form flammable (explosive) dust clouds in air.**3. Composition/information on ingredients**

CAS-No. 9004-62-0 Cellulose, 2 - hydroxyethyl ether

**4. First aid measures****After inhalation**

Take affected person into fresh air. Consult a physician.

**After contact with eyes**Rinse thoroughly with plenty of water, also under the eyelids.  
If eye irritation persists, consult a specialist.**After ingestion**

Rinse mouth. If symptoms persist, call a physician.

**5. Fire-fighting measures****Suitable extinguishing media**Sand, Alcohol-resistant foam, dry chemical, carbon dioxide (CO<sub>2</sub>), water-spray.

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

Not known.

**Special exposure hazards arising from substance or mixture itself, combustion products, resulting gases**

Carbon monoxide and carbon dioxide.

**Special protective equipment for fire-fighters**

In case of fire, wear suitable respiratory equipment with positive air supply.

**6. Accidental release measures****Personal precautions**

Avoid dust formation. Do not breathe dust. Forms slippery surfaces with water.

**Environmental precautions**

Do not discharge large amounts into the drains or bodies of water.

**Methods for cleaning up/taking up**Pick up mechanically, avoiding dust, and provide disposal in suitable recipients.  
Information for disposal look up chapter 13.**7. Handling and storage****Handling****Advice on safe handling**Provide appropriate exhaust ventilation at machinery and at places where dust can be generated.  
Avoid the formation of dust.  
Any dust build-up that cannot be avoided should be removed regularly..**Advice on protection against fire and explosion**The product can form flammable (explosive) dust clouds in air.  
Keep away from sources of ignition - No smoking.**Storage****Requirements for storage rooms and vessels**The product is hygroscopic.  
Protect from atmospheric moisture and water.**Further information on storage conditions**

No special storage conditions required.

Storageclass (D): 11

**8. Exposure controls/personal protection****Exposure limit values****Additional advice on limit values**

Obey TLV for common dust, if applicable.

**Exposure controls****Occupational exposure controls**

Provide appropriate exhaust ventilation at machinery and at places where dust can be generated.

**Protective and hygiene measures**Wash hands before breaks and at the end of workday.  
When using, do not eat, drink or smoke.  
Do not breathe dust.**Respiratory protection**

In case of insufficient ventilation, wear suitable respiratory equipment.

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Short term: filter apparatus, Filter P1

**Hand protection**

If used properly, protective gloves are normally not required. Otherwise, wear protective gloves which are impermeable and resistant to the product, substance or preparation.

**Eye protection**

If used properly, no need to wear eye protection. Otherwise wear protective goggles with integrated side shields.

**9. Physical and chemical properties****General information**

Physical state:	Powder
Colour:	Whitish
Odour:	Odourless

**Important health, safety and environmental information**

	Test method
pH-Value (at 20 °C):	6-8

**Changes in the physical state**

Melting point:	n.a.
Boiling point:	n.a.
Flash point:	n.a.

**Explosive properties**

The product is considered non-explosive; nevertheless explosive dust/air mixture can be generated

Lower explosion limits:	30 g/m <sup>3</sup>
Upper explosion limits:	
Density	1,1-1,5 g/cm <sup>3</sup>
Water solubility: (at 20 °C)	> 10 g/L
Partition coefficient:	log POW: < 0

**Other information**

Auto-ignition temperature	
Solid:	> 120C
Ignition temperature:	> 460 °C
Bulk density 200 - 600 g/l	
Burning class: 5	
Smoulder temperature: > 280 °C	
pmax: 10 bar	
KSt: < 200 bar*m/s	
Dust explosion class: ST1	
Minimum ignition energy: > 10 mJ	

**10. Stability and reactivity****Conditions to avoid**

No decomposition if stored and applied as directed.

**Materials to avoid**

Strong oxidizing agents.

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**Hazardous decomposition products**

Not known

**11. Toxicological information****Acute toxicity**

LD50/oral/rat: &gt; 2 000 mg/kg (OECD 401)

**Irritation and corrosivity**

Non-irritant

**Sensitizing effects**

Non-sensitising

**Further information**

Classification in compliance with the assessment procedure specified in the EC guidelines 1999/45/EG.

Based on experience gathered in various companies no detrimental effects to the health are known under the usual workplace hygiene-related circumstances.

**12. Ecological information****Ecotoxicity**

EC50 bacteria > 1000 mg/l (OECD 209)  
LC50/96h Fish > 500 mg/l (Danio) (OECD 203)  
COD < 1500 mg/g

**Persistence and degradability**

Product is biodegradable.  
When low concentrations are discharged correctly into adapted biological sewage treatment plants, interference with the degradation activity of activated sludge is not likely.

**Further information**

Do not release undiluted or in higher quantities into the groundwater, sewerage or waters.  
Low hazard to waters.

**13. Disposal considerations****Advice on disposal**

Where possible recycling is preferred to disposal.  
Can be incinerated together with household refuse in accordance with the regulations and on consultation with the disposal agency and the relevant authorities.  
It is not possible to give this product a waste code number according to the European waste catalogue because only the intended use of the user consents the assignment of a specific code number. The waste code number must be agreed with the disposer / manufacturer / competent authority. May be taken to household waste disposal or incineration plant, but care for official regulations.

**Waste disposal number of waste from residues/unused products**

160306 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; off-specification batches and unused products; organic wastes other than those mentioned in 16 03 05

**Contaminated packaging**

Water  
Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse.

**14. Transport information**

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**Other applicable information**

No hazardous material as defined by the transport regulations.

**15. Regulatory information****Labelling****Additional advice on labelling**

Does not require a hazard warning label, but the normal safety precautions for handling chemicals must be observed.

**National regulatory information**

Water contaminating class (D): 1 - slightly water contaminating

**Additional information**

The substance resp. all components are in:

TSCA: listed  
EINECS/ELINCS: listed  
DSL: listed  
AICS: listed  
ENCS/MITI: listed  
PICCS (PH): listed  
KECI (KR): listed  
HSNO listed  
IECS listed

**16. Other information****Further Information**

Data of items 4 to 8, as well as 10 to 12, do partly not refer to the use and the regular employing of the product (in this sense consult information on use and on product), but to liberation of major amounts in case of accidents and irregularities.

The information describes exclusively the safety requirements for the product(s) and is based on the present level of our knowledge.

The delivery specifications are contained in the corresponding product sheet.

This data does not constitute a guarantee for the characteristics of the product(s) as defined by the legal warranty regulations.

(n.a. = not applicable; n.d. = not determined)

*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*