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

1.1. Product identifier

Tylose HS 15000 YP2

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

Use of the substance/mixture

Rheological Additive
Coating material
Chemical for use in construction
Special applications

1.3. Details of the supplier of the safety data sheet

Company name:	SE Tylose GmbH & CO. KG	
Street:	Rheingaustr. 190 - 196	
Place:	D 65203 Wiesbaden	
Contact person:	Product Safety	Telephone: + 49 611 962 6309
e-mail:	product.safety@setylose.com	
Internet:	www.setylose.de	
Responsible Department:	Customer Service / Sales +49 611 962 6325 reiner.posprich@setylose.com Responsible for the safety data sheet: sds@gbk-ingelheim.de	

1.4. Emergency telephone number:

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.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

This substance is not classified as hazardous according to Directive 67/548/EEC.

GHS classification

This substance is not classified as hazardous according to Regulation (EC) No. 1272/2008.

2.2. Label elements

Additional advice on labelling

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

2.3. Other hazards

The product can form flammable (explosive) dust clouds in air.

SECTION 3: Composition/information on ingredients

3.1. Substances

Chemical characterization

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

Further Information

This product does not contain any substance which may be considered hazardous to the health and environment, according to the current legislation.

SECTION 4: First aid measures

4.1. Description of 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.

4.2. Most important symptoms and effects, both acute and delayed

No data available.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptoms.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Sand. Alcohol-resistant foam, dry chemical, carbon dioxide (CO2), water-spray.

Unsuitable extinguishing media

Not known.

5.2. Special hazards arising from the substance or mixture

Carbon monoxide and carbon dioxide

5.3. Advice for firefighters

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

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

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

6.2. Environmental precautions

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

6.3. Methods and material for containment and cleaning up

Pick up mechanically, avoiding dust, and provide disposal in suitable recipients.

6.4. Reference to other sections

Observe protective instructions (see Sections 7 and 8).
Information for disposal see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe 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.

7.2. Conditions for safe storage, including any incompatibilities

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.

7.3. Specific end use(s)

Rheological Additive
Coating material
Chemical for use in construction
Special applications

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Additional advice on limit values

Obey TLV for common dust, if applicable.

8.2. Exposure controls

Appropriate engineering 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.

Eye/face protection

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

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.

Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment.
Short term: filter apparatus, Filter P1

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	Powder	
Colour:	Whitish	
Odour:	characteristic	
		Test method
pH-Value (at 20 °C):	6 - 8	10 g/l

Changes in the physical state

Melting point:	n.a.
Initial boiling point and boiling range:	n.a.
Flash point:	n.a.
Lower explosion limits:	30 g/m³
Upper explosion limits:	
Density (at 20 °C):	1,1-1,5 g/cm³

Water solubility: (at 20 °C)	> 10 g/L
Partition coefficient:	log POW < 0
Ignition temperature:	> 460 °C
Auto-ignition temperature	> 120 °C
Explosive properties	The product is considered non-explosive; nevertheless explosive dust/air mixture

9.2. Other information

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

SECTION 10: Stability and reactivity

10.1. Reactivity

No uncommon reactivity known

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No hazardous reactions known.

10.4. Conditions to avoid

No decomposition if stored and applied as directed.

10.5. Incompatible materials

Strong oxidizing agents

10.6. Hazardous decomposition products

Not known.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

LD50/oral/rat: > 2 000 mg/kg

Irritation and corrosivity

Non-irritant

Sensitising effects

No sensitizing effect known.

Further information

Classification in compliance with the assessment procedure specified in the EC guidelines 1999/45/EC.
Based on experience gathered in various companies no detrimental effects to the health are known under the usual workplace hygiene-related circumstances.

SECTION 12: Ecological information

12.1. Toxicity

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

12.2. 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.

12.3. Bioaccumulative potential

There is no indication of bioaccumulation potential.

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

According to Regulation (EC) No 1907/2006 (REACH) none of the substances, contained in this product are a PBT / vPvB substance.

12.6. Other adverse effects

Not known.

Further information

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

SECTION 13: Disposal considerations

13.1. Waste treatment methods

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.

SECTION 14: Transport information

Land transport (ADR/RID); Marine transport (IMDG); Air transport (ICAO); Inland waterways transport (ADN)

14.1. UN number:

No hazardous material as defined by the transport regulations.

14.2. UN proper shipping name:

No hazardous material as defined by the transport regulations.

14.3. Transport hazard class(es):

No hazardous material as defined by the transport regulations.

14.4. Packing group:

No hazardous material as defined by the transport regulations.

14.5. Environmental hazards

No hazardous material as defined by the transport regulations.

14.6. Special precautions for user

No hazardous material as defined by the transport regulations.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

No hazardous material as defined by the transport regulations.

SECTION 15: Regulatory information

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

National regulatory information

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

Additional information

The substance resp. all components are in:

TSCA:	listed	CAS-No. 9004-62-0
EINECS/ELINCS:	exempted	
DSL:	listed	CAS-No. 9004-62-0
AICS:	listed	CAS-No. 9004-62-0
ENCS/MITI:	listed	(8)-194
PICCS (PH):	listed	CAS-No. 9004-62-0
KECI (KR):	listed	KE-20506
NECI(TW):	listed	CAS-No. 9004-62-0
HSNO	listed	CAS-No. 9004-62-0
IECS	listed	CAS-No. 9004-62-0

15.2. Chemical safety assessment

For this substance a chemical safety assessment is not required.

SECTION 16: Other information

Changes

Changes in chapter: 3

Abbreviations and acronyms

ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route
RID = Règlement concernant le transport international ferroviaire de marchandises dangereuses
ADN = Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure
IMDG = International Maritime Code for Dangerous Goods
IATA/ICAO = International Air Transport Association / International Civil Aviation Organization
MARPOL = International Convention for the Prevention of Pollution from Ships
IBC = Code International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
REACH = Registration, Evaluation, Authorization and Restriction of Chemicals
CAS = Chemical Abstract Service
EN = European norm
ISO = International Organization for Standardization
DIN = Deutsche Industrie Norm
PBT = Persistent Bioaccumulative and Toxic

LD = Lethal dose
LC = Lethal concentration
EC = Effect concentration
IC = Median immobilisation concentration or median inhibitory concentration

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)