

Safety Data Sheet

SE Tylose GmbH & Co. KG

according to Regulation (EC) No. 1907/2006

Tylose MH 15000 YP4

Print date: 02.09.2011

Product code: MEHC_R_00007

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

Tylose MH 15000 YP4

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

Details of the supplier of the safety data sheet

Company name: SE Tylose GmbH & CO. KG
Street: Rheingastr. 190 - 196
Place: D 65203 Wiesbaden
Contact person: Product Safety 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
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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**Classification of the substance or mixture**

This mixture is not classified as dangerous according to Directive 1999/45/EC.
The product can form flammable (explosive) dust clouds in air.

Label elements**Special labelling of certain mixtures**

Contains Glyoxal. May produce an allergic reaction.

Additional advice on labelling

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

Other hazards

Not known.
GHS labeling not applicable

SECTION 3: Composition/information on ingredients**Mixtures****Chemical characterization**

CAS-No. 9032-42-2 Cellulose, 2-hydroxyethyl methyl ether, retarded

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Hazardous components

EC No.	Chemical name	Quantity
CAS No.	Classification	
Index No.	GHS classification	
REACH No.		
203-474-9	ethandial ... %, glyoxal ... %(CEFIC, photometrical test with MBTH)	< 0,3 %
107-22-2	Muta. Cat. 3, Xn, Xi R68-20-36/38-43	
605-016-00-7	Muta. 2, Acute Tox. 4, Eye Irrit. 2, Skin Irrit. 2, Skin Sens. 1; H341 H332 H319 H315 H317	

Full text of R- and H-phrases: see section 16.

SECTION 4: First aid measures
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.

Most important symptoms and effects, both acute and delayed

Not known.

Indication of any immediate medical attention and special treatment needed

Treat symptoms.

SECTION 5: Firefighting measures
Extinguishing media
Suitable extinguishing media

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

Extinguishing media which must not be used for safety reasons

Not known.

Special hazards arising from the substance or mixture

Carbon monoxide and carbon dioxide.

Advice for firefighters

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

SECTION 6: Accidental release measures
Personal precautions, protective equipment and emergency procedures

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 and material for containment and cleaning up

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

Reference to other sections

 Observe protective instructions (see Sections 7 and 8).
 Information for disposal look up chapter 13.

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SECTION 7: Handling and storage**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.

Conditions for safe storage, including any incompatibilities**Further information on storage conditions**

No special storage conditions required.

Specific end use(s)

Rheological Additive

Coating material

Chemical for use in construction

Special applications

SECTION 8: Exposure controls/personal protection**Control parameters****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.

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.

SECTION 9: Physical and chemical properties**Information on basic physical and chemical properties**

Physical state:	Powder
Colour:	Whitish
Odour:	Odourless

Test method

pH-Value (at 20 °C):	6 - 8 10 g/l
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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 ³
Upper explosion limits:	
Ignition temperature:	> 400 °C

Auto-ignition temperature

Solid:	> 170 °C
Density (at 20 °C):	1,1-1,5 g/cm ³
Water solubility: (at 20 °C)	> 10 g/L
Partition coefficient:	log POW < 1 %

Other information

Bulk density 200 - 600 g/l
Burning class: 5
Smoulder temperature: > 450 °C
Dust explosion class: ST2
pmax: 10 bar
KSt: < 300 bar*m/s
Minimum ignition energy: > 10 mJ

SECTION 10: Stability and reactivity**Reactivity**

No uncommon reactivity known

Chemical stability

Stable under normal conditions.

Possibility of hazardous reactions

No hazardous reactions known.

Conditions to avoid

No decomposition if stored and applied as directed.

Incompatible materials

Strong oxidizing agents.

Hazardous decomposition products

Not known

SECTION 11: Toxicological information**Information on toxicological effects****Acute toxicity**

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

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CAS No.	Chemical name			
	Exposure routes	Method	Dose	Species
107-22-2	ethandial ... %, glyoxal ... %(CEFIC, photometrical test with MBTH)			
	Acute dermal toxicity	LD50	12700 mg/kg	Kaninchen
	Acute inhalation toxicity	LC50	2,41 mg/l	Ratte
				h
				4

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.

SECTION 12: Ecological information
Toxicity

EC50 bacteria > 1000 mg/l (OECD 209)
 EC50/72h Scenedesmus subspicatus > 100 mg/l (OECD 209)
 LC50/96h Fish > 500 mg/l (Danio) (OECD 203)
 EC50/48h Daphnia > 100 mg/l (OECD 202)

COD < 1500 mg/g

CAS No.	Chemical name			
	Aquatic toxicity	Method	Dose	Species
107-22-2	ethandial ... %, glyoxal ... %(CEFIC, photometrical test with MBTH)			
	Acute fish toxicity	LC50	215 mg/l	Fisch
				h
				96

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.

Bioaccumulative potential

There is no indication of bioaccumulation potential.

Mobility in soil

No data available.

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.

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
Waste treatment methods

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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)****Other applicable information (land transport)**

No hazardous material as defined by the transport regulations.

Inland waterways transport**Other applicable information (inland waterways transport)**

No hazardous material as defined by the transport regulations.

Marine transport**Other applicable information (marine transport)**

No hazardous material as defined by the transport regulations.

Air transport**Other applicable information (air transport)**

No hazardous material as defined by the transport regulations.

Environmental hazards

Dangerous for the environment: no

Special precautions for user

No specific precautions required.

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

The transport takes place only in approved and appropriate packaging.

SECTION 15: Regulatory information**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
EINECS/ELINCS: listed
DSL: listed
AICS: listed
ENCS/MITI: listed

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PICCS (PH): listed
KECI (KR): listed
HSNO listed
IECS listed

SECTION 16: Other information**Changes**

Changes in chapter: 2, 4, 7, 10, 12, 14, 15

Full text of R-phrases referred to under sections 2 and 3

20 Harmful by inhalation.
36/38 Irritating to eyes and skin.
43 May cause sensitization by skin contact.
68 Possible risks of irreversible effects.

Full text of H-Statements referred to under sections 2 and 3

H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H341 Suspected of causing genetic defects.

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.)