

Safety Data Sheet

SE Tylose GmbH & Co. KG

according to Regulation (EC) No. 1907/2006

Tylose MH 4000 KG4

Print date: 15.08.2011

Product code: MEHC_R_00009

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

Tylose MH 4000 KG4

Use of the substance/mixtureRheological 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.

Explication of special hazards for human health and environment

GHS labeling not applicable

3. Composition/information on ingredients

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

Hazardous components

EC No.	CAS No.	Chemical name	Quantity	Classification
203-474-9	107-22-2	ethandial ... %, glyoxal ... %(CEFIC, photometrical test with MBTH)	< 0,3 %	Muta. Cat. 3, Xn, Xi R68-20-36/38-43

Full text of each relevant R phrase can be found in heading 16.

4. First aid measures**After inhalation**

Take affected person into fresh air. Consult a physician.

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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 (CO₂), water-spray.

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**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

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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.

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 10 g/l

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

Other information

Auto-ignition temperature	
Solid:	> 170 °C
Ignition temperature:	> 400 °C
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	

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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.

Hazardous decomposition products

Not known

11. Toxicological information**Acute toxicity**

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

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)

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

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.

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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**Other applicable information**

No hazardous material as defined by the transport regulations.

15. Regulatory information**Labelling****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.

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**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.

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.

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(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.)