

# Tylose MH 50 G4

## Safety Data Sheet

according to the Model Work Health and Safety Regulations

Date of issue:17/01/2018 Revision date:14/06/2019 Supersedes:17/01/2018 Version: 5.2

SDS No: 10896-0132



SE Tylose GmbH & Co. KG

### SECTION 1: Identification : Product identifier and chemical identity

#### 1.1. Product identifier

Product form : Substance  
Substance name : Tylose MH 50 G4  
Product code : (MHEC)

#### 1.2. Other means of identification

No additional information available

#### 1.3. Recommended use of the chemical and restrictions on use

Recommended use : Rheological Additive  
Special applications  
Coating material  
Chemical for use in construction  
Restrictions on use : There is no information available on applications that are not advised

#### 1.4. Supplier's details

##### Manufacturer

SE Tylose GmbH & CO. KG  
Rheingastr. 190 - 196  
65203 Wiesbaden - Germany  
T + 49 611 962 6309  
[product.safety@setylose.com](mailto:product.safety@setylose.com) - [www.setylose.com](http://www.setylose.com)

##### Informing department

Customer Service / Sales  
T +49 611 962 6325  
[reiner.posprich@setylose.com](mailto:reiner.posprich@setylose.com)

##### Importer

Admil Adhesives  
80-84 Peters Avenue  
Mulgrave, VIC, 3170 - Australia  
T Business Hours (03) 8544 6200  
[support@silicone.com.au](mailto:support@silicone.com.au)

E-mail address of competent person responsible for the SDS: [sds@gbk-ingelheim.de](mailto:sds@gbk-ingelheim.de)

#### 1.5. Emergency phone number

Emergency number : Emergency CONTACT Australia (24-Hour-Number): Infotrac/GBK GmbH +61-280735031  
Customer ID: 102867

### SECTION 2: Hazards identification

#### 2.1. Classification of the hazardous chemical

##### Classification according to the model Work Health and Safety Regulations (WHS Regulations)

Not classified

#### 2.2. Label elements

No labelling applicable

#### 2.3. Other hazards

Other hazards not contributing to the classification : Dust may form explosive mixture in air. Handle in accordance with good industrial hygiene and safety practice.

### SECTION 3: Composition/information on ingredients

Comments : 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.

Name	CAS-No.	%	Classification according to the model Work Health and Safety Regulations (WHS Regulations)
Cellulose methyl ether, 2-hydroxyethyl ether ( )	9032-42-2	> 92,5	Not classified
Other substances (not contributing to the classification of this product) ( )		< 7,5	Not classified

Comments : When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us

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### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

- First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. Call a doctor.
- First-aid measures after skin contact : Wash skin with plenty of water.
- First-aid measures after eye contact : Rinse immediately with plenty of water, also under the eyelids. Consult an ophthalmologist if irritation persists.
- First-aid measures after ingestion : Rinse mouth. If symptoms persist, call a physician.

#### 4.2. Symptoms caused by exposure

- Symptoms/effects after skin contact : May cause sensitisation of susceptible persons by skin contact.
- Symptoms/effects after eye contact : May cause eye irritation.

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

- Treatment : Treat symptomatically.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

- Suitable extinguishing media : Sand. Alcohol resistant foam. Chemical powder. Carbon dioxide. Water spray.
- Unsuitable extinguishing media : No data available.

#### 5.2. Special hazards arising from the substance or mixture

- General measures : Avoid dust formation. Do not breathe dust. Forms slippery surfaces with water.

#### 5.3. Special protective equipment and precautions for fire-fighters

- Protection during firefighting : Self-contained breathing apparatus.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Avoid dust formation. Do not breathe dust. Forms slippery surfaces with water.

##### 6.1.1. For non-emergency personnel

- Emergency procedures : Ventilate spillage area.

##### 6.1.2. For emergency responders

- Protective equipment : Wear recommended personal protective equipment.

#### 6.2. Environmental precautions

Large amounts of the product should not be allowed to enter drains or water courses or be deposited where it can affect ground or surface waters.

#### 6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Shovel or sweep up and put in a closed container for disposal. Avoid dust formation.

### SECTION 7: Handling and storage, including how the chemical may be safely used

#### 7.1. Precautions for safe handling

- Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment. Avoid dust formation. Dust may form explosive mixture in air. Keep away from sources of ignition - No smoking.
- Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

#### 7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Material is hygroscopic. Protect from atmospheric moisture and water.
- Information on mixed storage : No special storage requirements.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters - exposure standards

Tylose MH 50 G4	
Australia	Obey TLV for common dust, if applicable

#### Exposure limit values for the other components

#### 8.2. Monitoring

No additional information available

#### 8.3. Appropriate engineering controls

- Appropriate engineering controls : Ensure good ventilation of the work station. Avoid dust formation.

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### 8.4. Personal protective equipment

- Hand protection : Not required for normal conditions of use. Choosing the proper glove is a decision that depends not only on the type of material, but also on other quality features, which differ for each manufacturer. Please follow the instructions related to the permeability and the penetration time provided by the manufacturer
- Eye protection : Not required for normal conditions of use
- Skin and body protection : Wear suitable protective clothing
- Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment

Device	Filter type	Condition	Standard
Breathing apparatus with filter	Type P1	Short term exposure	

- Environmental exposure controls : Avoid release to the environment.
- Other information : Do not eat, drink or smoke when using this product. Wash hands immediately after handling the product. Do not breathe dust.

### SECTION 9: Physical and chemical properties

- Physical state : Solid
- Appearance : Powder
- Colour : whitish
- Odour : Odourless
- Odour threshold : No data available
- pH : 6 - 8 10g/l
- Relative evaporation rate (butylacetate=1) : Not specifically applicable
- Melting point / Freezing point : Melting point : Not specifically applicable  
Freezing point : Not specifically applicable
- Boiling point : Not specifically applicable
- Flash point : Not specifically applicable
- Auto-ignition temperature : > 170 °C
- Flammability (solid, gas) : No data available
- Vapour pressure : Vapour pressure : Not specifically applicable
- Relative density : Relative vapour density at 20 °C : Not specifically applicable
- Density : Density : 1.1 - 1.5 g/cm<sup>3</sup> 20 °C  
Relative density : Not specifically applicable
- Solubility : Water: > 10 g/l @ 20°C
- Log Pow : < 0
- Viscosity, dynamic : Not specifically applicable
- Explosive properties : Product is not explosive. Dust may form explosive mixture in air.
- Explosive limits : No data available
- Minimum ignition energy : > 10 mJ
- Fat solubility : No data available
- Combustion class : 5
- Smoulder temperature : >450 °C
- p<sub>max</sub> : 10 bar
- Dust explosion category : ST1
- KSt : < 200 bar\*m/s
- Ignition temperature : > 400 °C

### SECTION 10: Stability and reactivity

- Reactivity : The product is non-reactive under normal conditions of use, storage and transport. The product is non-reactive under normal conditions of use, storage and transport
- Chemical stability : Stable under normal conditions.
- Possibility of hazardous reactions : No dangerous reactions known under normal conditions of use.
- Conditions to avoid : No decomposition if stored normally.
- Incompatible materials : Strong oxidizing agent.

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Hazardous decomposition products : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

### SECTION 11: Toxicological information

Acute toxicity : Not classified  
Acute toxicity (dermal) : Not classified  
Acute toxicity (inhalation) : Not classified

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LD50 oral rat	> 2000 mg/kg OECD 404
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Skin corrosion/irritation : Not classified  
pH: 6 - 8 10g/l  
Serious eye damage/irritation : Not classified  
pH: 6 - 8 10g/l  
Respiratory or skin sensitisation : Not classified  
Germ cell mutagenicity : Not classified  
Carcinogenicity : Not classified  
Reproductive toxicity : Not classified  
STOT-single exposure : Not classified  
STOT-repeated exposure : Not classified  
Aspiration hazard : Not classified  
Other information : When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us

### SECTION 12: Ecological information

According to the National Code of Practice for the Preparation of Material Safety Data Sheets, Environmental classification information is not mandatory. Information relevant for GHS classification is available on request

#### 12.1. Ecotoxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.  
Acute aquatic toxicity : Not classified  
Chronic aquatic toxicity : Not classified  
Other information : Do not release undiluted or in higher quantities into the groundwater, sewerage or waters.

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LC50 fish 1	> 500 mg/l (OECD 203 method)
EC50 Daphnia 1	> 100 mg/l daphnia
EC50 other aquatic organisms 1	> 1000 mg/l (OECD 209 method)
Log Pow	< 0

#### 12.2. Persistence and degradability

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Persistence and degradability	Product is biodegradable. Does not affect the functioning of waste-water treatment plants. In case of loss of large quantities, advice local authorities.
Chemical oxygen demand (COD)	< 1500 mg/g

#### 12.3. Bioaccumulative potential

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Log Pow	See section 12.1 on ecotoxicology
Bioaccumulative potential	Not potentially bioaccumulable.

#### 12.4. Mobility in soil

No additional information available

#### 12.5. Other adverse effects

Ozone : Not classified  
Other adverse effects : No additional information available

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Fluorinated greenhouse gases	False
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### Cellulose methyl ether, 2-hydroxyethyl ether (9032-42-2)

Fluorinated greenhouse gases : False

### Other substances (not contributing to the classification of this product)

Fluorinated greenhouse gases : False

## SECTION 13: Disposal considerations

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

## SECTION 14: Transport information

ADG	IMDG	IATA
<b>14.2. UN proper shipping name</b>		
Not applicable	Not applicable	Not applicable
<b>14.4. Packing group</b>		
Not applicable	Not applicable	Not applicable
<b>14.5. Environmental hazards</b>		
	Marine pollutant : No	

### 14.6. Special precautions for user

Specific storage requirement : No data available

Shock sensitivity : No data available

### 14.7. Additional information

Other information : No supplementary information available

### Transport by road and rail

Not applicable

### Transport by sea

Not applicable

### Air transport

Not applicable

### 14.8. Hazchem or Emergency Action Code

Hazchemcode : Not applicable

## SECTION 15: Regulatory information

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

Other information on relevant regulations : All components of this mixture are listed on or exempted from AICS

### 15.2. International agreements

No additional information available

## SECTION 16: Any other relevant information

Abbreviations and acronyms:

ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
DOT	Department of Transport
TDG	Transportation of Dangerous Goods
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
GHS	Globally Harmonized System of Classification, Labelling and Packaging of Chemicals
IARC	International Agency for Research on Cancer
vPvB	Very Persistent and Very Bioaccumulative
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
CAS	CAS (Chemical Abstracts Service) number
IBC-Code	International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
ATE	Acute Toxicity Estimate
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008

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BCF	Bioconcentration factor
MARPOL 73/78	MARPOL 73/78: International Convention for the Prevention of Pollution From Ships
ADG	Transport of Australian Dangerous Goods

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Other information : Data of sections 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.

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.*