

# Safety Data Sheet

According to regulation (EC) No. 1907/2006 (REACH)



## 63610 Tylose® MH 1000 P2

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Revised edition: 16.03.2021

Version: 6.0

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### 1. Identification of the Substance/Mixture and of the Company/Undertaking

#### 1.1. Product Identifier

*Product Name:* Tylose® MH 1000 P2

*Article No.:* 63610

*UFI:* --

#### 1.2. Relevant identified Uses of the Substance or Mixture and Uses advised against

*Identified uses:*  
Rheological additive, paint, construction chemistry

*Uses advised against:*

#### 1.3. Details of the Supplier of the Safety Data Sheet (Producer/Importer)

*Company:* Kremer Pigmente GmbH & Co. KG

*Address:* Hauptstr. 41-47, 88317 Aichstetten, Germany

*Tel./Fax.:* Tel +49 7565 914480, Fax +49 7565 1606

*Internet:* www.kremer-pigmente.com

*E-Mail:* info@kremer-pigmente.com

*Importer:* --

#### 1.4. Emergency No.

*Emergency No.:* +49 7565 914480 (Mon-Fri 8:00 - 17:00)

#### 1.4.2 Poison Center:

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### 2. Hazards Identification

#### 2.1. Classification of the Substance or Mixture

*Classification according to Regulation (EC) No. 1272/2008 (CLP/GHS)*

*This product does not require classification and labelling as hazardous according to CLP/GHS.*

*Possible Environmental Effects:*

#### 2.2. Label Elements

*Classification according to Regulation (EC) No. 1272/2008 (CLP/GHS)*

*No classification required according to the CLP/GHS guidelines.*

*Hazard designation:*

*Not applicable.*

*Signal word:*

*Hazard designation:*

*Safety designation:*

*Hazardous components for labelling:*

#### 2.3. Other Hazards

*This product is capable of dust explosion under certain circumstances.*

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### Composition/Information on Ingredients

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### 3.

#### 3.1. Substance

#### 3.2. Mixture

*Chemical Characterization:* Methyl hydroxyethyl cellulose

*Information on Components / Hazardous Ingredients:*

|                               |          |                   |
|-------------------------------|----------|-------------------|
| Methyl hydroxyethyl cellulose | > 92.5 % | CAS-Nr: 9032-42-2 |
|                               |          | EINECS-Nr:        |
|                               |          | EC-Nr:            |

*Additional information:*

*Exempted from the mandatory REACH Registration (Article 2; Polymers).*

### 4. First Aid Measures

#### 4.1. Description of the First Aid Measures

*General information:*

*Take affected persons out into the fresh air.*

*After inhalation:*

*In case of complaints consult a physician.*

*After skin contact:*

*Wash with soap and rinse with plenty of water.*

*After eye contact:*

*Rinse open eyes with plenty of water. In case of discomfort seek medical help.*

*After ingestion:*

*Rinse mouth with plenty of water.*

*If symptoms persist, call a physician.*

#### 4.2. Most important Symptoms and Effects, both Acute and Delayed

*Symptoms:*

*Can cause skin irritation by sensitive persons.*

*Can cause eye irritation.*

*Effects:*

#### 4.3. Indication of any Immediate Medical Attention and special Treatment needed

*Treatment:*

*Treat symptomatically.*

### 5. Fire-Fighting Measures

#### 5.1. Extinguishing Media

*Suitable extinguishing media:*

*Foam, carbon dioxide (CO<sub>2</sub>), extinguishing powder, sand, water spray jet.*

*Unsuitable extinguishing media:*

*None known.*

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### 5.2. Special Hazards arising from the Substance or Mixture

*Special hazards:*

*In case of fire: formation of carbon monoxide and dioxide.*

### 5.3. Advice for Firefighters

*Protective equipment:*

*Wear self-contained respiratory protective device.*

*Further information:*

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## 6. Accidental Release Measures

### 6.1. Personal Precautions, Protective Equipment and Emergency Procedures

*Personal precautions:*

*Avoid formation of dust.*

*Together with water product causes slippery surfaces.*

### 6.2. Environmental Precautions

*Environmental precautions:*

*Prevent contamination of soil, drains and surface waters.*

### 6.3. Methods and Material for Containment and Cleaning Up

*Methods and material:*

*Take up mechanically and collect in suitable containers for disposal. Avoid dust formation.*

### 6.4. Reference to other Sections

*Protective clothing, see Section 8.*

*See Section 13 for information on disposal.*

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## 7. Handling and Storage

### 7.1. Precautions for Safe Handling

*Instructions on safe handling:*

*Provide adequate ventilation.*

*Avoid formation of dust.*

*Hygienic measures:*

*Particular danger of slipping on leaked/spilled product.*

### 7.2. Conditions for Safe Storage, including any Incompatibilities

*Storage conditions:*

*Store in a cool and dry place.*

*Protect against humidity and water.*

*Requirements for storage areas and containers:*

*Information on fire and explosion protection:*

*Keep away from sources of ignition - do not smoke.*

*Risk of dust explosion.*

*Dust explosion class 1 (Kst-value > 0 - 200 bar m/s).*

*Flammability class 5*

*Storage class:*

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11; Combustible solids (TRGS 510)

*Further Information:*

*Product is hygroscopic.*

### 7.3. Specific End Use(s)

*Further information:*

*See Section 1.2.; no other uses provided*

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## 8. Exposure Controls/Personal Protection

### 8.1. Parameters to be Controlled

*Parameters to be controlled (DE):*

*TRGS 900*

*TLV: 10 mg/m<sup>3</sup> inhalable fraction (general dust limit)*

*Parameters to be controlled:*

*Derived No-Effect Level (DNEL):*

*Predicted No-Effect Concentration (PNEC):*

*Additional Information:*

### 8.2. Exposure Controls

*Technical protective measures:*

*Provide adequate ventilation.*

*Personal Protection*

*General protective measures:*

*The usual precautionary measures are to be adhered to when handling chemicals.*

*Do not inhale dust.*

*Respiratory protection:*

*Required in case of insufficient ventilation.*

*Shortterm: filter P1.*

*Hand protection:*

*Not required*

*Protective glove material:*

*The glove material must be sufficiently impermeable and resistant against the product.*

*Eye protection:*

*Safety glasses with protective shields (EN 166).*

*Body protection:*

*Environmental precautions:*

*No special measures required.*

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## 9. Physical and Chemical Properties

### 9.1. Information on Basic Physical and Chemical Properties

*Form:*

*powder*

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|  |  |
|--|--|
| <i>Color:</i>                                      | <i>whitish</i>   |
| <i>Odor:</i>                                       | <i>odorless</i>  |
| <i>Odor threshold:</i>                             | <i>no information available</i>  |
| <i>pH-Value:</i>                                   | <i>6 - 8 (10 g/l)</i>  |
| <i>Melting temperature:</i>                        | <i>not applicable</i>  |
| <i>Boiling temperature:</i>                        | <i>not applicable</i>  |
| <i>Flash point:</i>                                | <i>not applicable</i>  |
| <i>Evaporation rate:</i>                           | <i>No information available.</i>   |
| <i>Flammability (solid, gas):</i>                  |  |
| <i>Upper explosion limit:</i>                      | <i>no information available</i>  |
| <i>Lower explosion limit:</i>                      | <i>30 g/m<sup>3</sup></i>  |
| <i>Vapor pressure:</i>                             | <i>not applicable</i>  |
| <i>Vapor density:</i>                              |  |
| <i>Density:</i>                                    | <i>1.1 - 1.5 g/cm<sup>3</sup> (20°C)</i>   |
| <i>Solubility in water:</i>                        | <i>&gt; 10 g/l (20°C)</i>  |
| <i>Coefficient of variation (n-Octanol/Water):</i> | <i>&lt; 0 logPOW</i>   |
| <i>Auto-ignition temperature:</i>                  | <i>&gt; 170°C</i>  |
| <i>Decomposition temperature:</i>                  | <i>No data available.</i>  |
| <i>Viscosity, dynamic:</i>                         | <i>not applicable</i>  |
| <i>Explosive properties:</i>                       | <i>Product is not explosive; however, an explosive dust/air mixture can be formed.</i> |
| <i>Oxidizing properties:</i>                       | <i>none</i>  |
| <i>Bulk density:</i>                               | <i>200 - 600 g/l</i>   |

### 9.2. Further Information

*Solubility in solvents:*

*Viscosity, kinematic:*

*Burning class:* 5

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*Solvent content:*

*Solid content:*

*Particle size:*

*Other information:*

*Smoldering temperature: > 450°C*

*Minimum ignition energy: < 10 mJ (1013 hPa)*

*Ignition temperature: > 400°C*

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### 10. Stability and Reactivity

#### 10.1. Reactivity

*Stable if used according to specifications.*

#### 10.2. Chemical Stability

*Stable if used according to specifications.*

#### 10.3. Possibility of Hazardous Reactions

*Unknown.*

#### 10.4. Conditions to Avoid

*Conditions to avoid:*

*No further information available.*

*Thermal decomposition:*

#### 10.5. Incompatible Materials

*Strong oxidizing agents.*

#### 10.6. Hazardous Decomposition Products

*None known.*

#### 10.7. Further Information

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### 11. Toxicological Information

#### 11.1. Information on Toxicological Effects

*Acute Toxicity*

*LD50, oral:*

*> 2000 mg/kg (rat; OECD 425)*

*LD50, dermal:*

*No information available.*

*LC50, inhalation:*

*No information available.*

*Primary effects*

*Irritant effect on skin:*

*Non irritating (rabbit)*

*Irritant effect on eyes:*

*Non-irritating to eyes (rabbit)*

*Inhalation:*

*No information available.*

*Ingestion:*

*No information available*

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*Sensitization:*

*No sensitizing effects known.*

*Mutagenicity:*

*No relevant data found.*

*Reproductive toxicity:*

*No relevant data found.*

*Carcinogenicity:*

*No relevant data found.*

*Teratogenicity:*

*No information available.*

*Specific target organ toxicity (STOT):*

*No negative effects.*

*Additional toxicological information:*

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## 12. Ecological Information

### 12.1. Aquatic Toxicity

*Fish toxicity:*

*LC50: > 500 mg/l (96h, Danio rerio; OECD 203)*

*Daphnia toxicity:*

*EC50: > 100 mg/l (48h, Daphnia magna; OECD 202)*

*Bacteria toxicity:*

*EC50: > 1000 mg/l (OECD 209)*

*Algae toxicity:*

*EC50: > 100 mg/l (72h, Scenedesmus subspicatus; OECD 201)*

### 12.2. Persistency and Degradability

*Biodegradable.*

### 12.3. Bioaccumulation

*No bioaccumulation.*

### 12.4. Mobility

*No information available.*

### 12.5. Results of PBT- und vPvP Assessment

*This product is neither a PBT or vPvB substance nor does it contain a PBT or vPvB substance.*

### 12.6. Other Adverse Effects

*Water hazard class:*

*1, slightly hazardous (German Regulation; Self-assessment).  
Do not allow undiluted product or large quantities of it to reach ground water, waterways or sewage system.*

*Behaviour in sewage systems:*

*No impairment of the biodegradability of active sludge expected when small amounts are discharged in biological sewage plants.*

*Further ecological effects:*

*COD: < 1500 mg O2/g*

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*AOX Value:*

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### 13. Disposal Considerations

#### 13.1. Waste Treatment Methods

*Product:*

*In accordance with current regulations, product may be taken to an incineration plant.*

*European Waste Code (EWC):*

*160306 - Wastes not otherwise specified in the list; Off-specification batches and unused products; Organic wastes other than those mentioned in 160305*

*Uncleaned packaging:*

*Non contaminated packaging can either be recycled or utilized for energy (incineration).*

*Waste Code No.:*

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### 14. Transport Information

#### 14.1. UN Number

*ADR, IMDG, IATA*

#### 14.2. UN Proper Shipping Name

*ADR/RID:*

*No hazardous goods according to ADR / DOT (US) (land transportation).*

*IMDG/IATA:*

*Not hazardous goods*

#### 14.3. Transport Hazard Classes

*ADR Class:*

*not applicable*

*Hazard no.:*

*Classification code:*

*Tunnel restriction code:*

*IMDG Class (sea):*

*not applicable*

*Hazard no.:*

*EmS No.:*

*IATA Class:*

*not applicable*

*Hazard no.:*

#### 14.4. Packaging Group

*ADR/RID:*

*not applicable*

*IMDG:*

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*IATA:*

14. 5. Environmental Hazards  
*None*
14. 6. Special Precautions for User  
*Not classified as a dangerous good under transport regulations.*
14. 7. Transportation in Bulk according to Annex II of MARPOL 73/78 and IBC-Code  
*not applicable*
14. 8. Further Information
- 

### 15. Regulatory Information

#### 15. 1. Safety, Health and Environmental Regulations/Legislation specific for the Substance or Mixture

*Water hazard class:*

*1, slightly hazardous for water (German Regulation)*

*Local regulations on chemical accidents:*

*Seveso III Directive: not applicable under Directive 2012/18/EC.*

*Employment restrictions:*

*Restriction and prohibition of application:*

*EC. REACH, Section XVII, Restrictions on the Manufacture, Placing on the Market and Use of Certain Dangerous Substances, Preparations and Articles: not applicable*

*Technical instructions on air quality:*

#### 15. 2. Chemical Safety Assessment

*Exempted from the mandatory REACH Registration (Article 2)*

#### 15. 3. Further Information

*Listed in the following inventories:*

*TSCA (US), AICS (AUS), DSL (CA), ENCS/MITI (JP; (8)-187), KECI (KR), PICCS (PH), IECSC (CN), HSNO (NZ), NECI (TW)*

*EC. REACH, Annex XIV, Candidate List of Substances of very High Concern (SVHC): not regulated / not applicable*

*Regulation (EC) 1005/2009 - Substances that Deplete the Ozone Layer: not regulated / not applicable*

*Regulation (EC) 649/2012 concerning the export and import of dangerous chemicals: Not applicable*

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### 16. Other Information

*This product should be stored, handled and used in accordance with good hygiene practices and in conformity with any legal regulations. This information contained herein is based on the present state of knowledge and is intended to describe our product from the point of view of safety requirements. It should be therefore not be construed as guaranteeing specific properties.*