63600 Tylose® MH 300 P2

Revised edition: 16.03.2021 Version: 6.0 Printed: 05.01.2024

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

1. 1. Product Identifier

Product Name:	*Tylose® MH 300 P2*
Article No.:	*63600*
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*
EMail:	*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:

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.

Composition/Information on Ingredients

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3.

3. 1. Substance

3. 2. Mixture

Chemical Characterization:

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:

If symptoms persist consult 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 (CO2), extinguishing powder, sand, water spray jet.

Unsuitable extinguishing media:

None known.

5. 2. Special Hazards arising from the Substance or Mixture

Special hazards:

No 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:

6. Accidential 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.

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.
Product is hygroscopic.
Protect against humidity and water.

Requirements for storage areas and containers:

Information on fire and explosion protection:

Keep away from sources of heat and ignition - do not smoke.
Dust explosion class 1 (Kst-value > 0 - 200 bar m/s).
Flammability class 5

Storage class:

11; Combustible solids (TRGS 510)

Further Information:

7. 3. Specific End Use(s)

Further information:

8. Exposure Controls/Personal Protection

8. 1. Parameters to be Controlled

Parameters to be controlled (DE):

TLV: 10 mg/m3 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/exhaust system.

Personal Protection

General protective measures:

The usual precautionary measures are to be adhered to when handling chemicals.
Wash hands before breaks and after work.
Do not eat, drink or smoke during work.
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.

9. Physical and Chemical Properties

9. 1. Information on Basic Physical and Chemical Properties

Form: *powder*

Color:	*whitish*
Odor:	*odorless*
Odor threshold:	*no information available*
pH-Value:	*6 - 8 (10 g/l)*
Melting temperature:	*not applicable*
Boiling temperature:	*not applicable*
Flash point:	*not applicable*
Evaporation rate:	*No information available.*
Flammability (solid, gas):	*not available*
Upper explosion limit:	*no information available*
Lower explosion limit:	*30 g/m3*
Vapor pressure:	*not applicable*
Vapor density:	
Density:	*1.1 - 1.5 g/cm3 (20°C)*
Solubility in water:	*> 10 g/l*
Coefficient of variation (n-Octanol/Water):	*< 0 logPOW*
Auto-ignition temperature:	*> 170°C*
Decomposition temperature:	*No data available.*
Viscosity, dynamic:	*not applicable*
Explosive properties:	*Product is not explosive; however, an explosive dust/air mixture can be formed.*
Oxidizing properties:	*none*
Bulk density:	*200 - 600 kg/m3*

9. 2. Further Information

Solubility in solvents:	
Viscosity, kinematic:	

Burning class:	*5*
Solvent content:	
Solid content:	
Particle size:	
Other information:	
	Smoldering temperature: > 450°C *Minimum ignition energy: < 10 mJ (1013 hPa)* *Ignition temperature: > 400°C* *Dust deflagration index (Kst): < 200 m.b_/s*

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:

Avoid ignition sources and sparks.

Thermal decomposition:

10.5. Imcompatible Materials

Strong oxidizing agents.

10.6. Hazardous Decomposition Products

None known.

10.7. Further Information

11. Toxicological Information

11. 1. Information on Hazard Classes as defined in Regulation (EC) No. 1272/2008

Acute Toxicity

LD50, oral:	*> 2000 mg/kg (rat; OECD 404)*
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

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):

Single exposure: Not classified based on available information.
Repeated exposure:: not classified

Aspiration hazard:

No information available.

11. 2. Information on other Hazards

No further information available.

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. Endocrine Disrupting Properties

No data available.

12. 7. 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:

Chemical oxygen demand (COD): <1500 mg/g

AOX Value:

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.:

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:

IATA:

14. 5. Environmental Hazards

None

14. 6. Special Precautions for User

Not classified as a dangerous good under transport regulations.

14. 7. Maritime Transport in Bulk according to IMO Instruments

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 (according to the German Regulation AwSV)

Local regulations on chemical accidents:

Does not underlie the Accident Ordinance.

Employment restrictions:

Restriction and prohibition of application:

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:

EINECS (9032-42-2), TSCA, DSL (CA), ENCS/MITI (JP; (8)-187), KECI (KR; KE-05365), PICCS (PH), IECSC (CN), NZIoC (NZ), AICS (AUS), TCSI (TW)

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

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

Regulation (EC) 850/2004 - Persistant Organic Pollutants and amending Directive 79/117/EEC: not regulated / not applicable

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.