

Tylose MOBS 4070 P4

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Issue date: 10/07/2021

Version: 1.0

SDS No: 10896-0453



SE Tylose GmbH & Co. KG

SECTION 1: Identification

1.1. Identification

Product form : Substance
Substance name : Tylose MOBS 4070 P4
Product code : COS-MHPC
Further information : UFI: Not classified = Not applicable

1.2. Recommended use and restrictions on use

Recommended use : Special applications, Cosmetics
Restrictions on use : There is no information available on applications that are not advised

1.3. Supplier

Manufacturer

SE Tylose GmbH & Co. KG
Kasteler Straße 45
Wiesbaden, 65203
Germany
T + 49 611 962 6309

product.safety@setylose.com - www.setylose.com

Informing department

Customer Service
T +1 225-309-0110
product.safetyUSA@setyloseUSA.com

Importer

SE Tylose USA Inc.
26270 Hwy 405
Plaquemine, LA 70764
USA

E-mail address of competent person responsible for the SDS: sds@gbk-ingelheim.de

1.4. Emergency telephone number

Emergency number : INFOTRAC: (001) 352 323 3500 Customer ID 102867

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS US classification

Combustible Dust

May form combustible dust concentrations in air

Full text of H statements : see section 16

2.2. GHS Label elements, including precautionary statements

GHS US labeling

Signal word (GHS US) : Warning
Hazard statements (GHS US) : May form combustible dust concentrations in air

2.3. Other hazards which do not result in classification

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

2.4. Unknown acute toxicity (GHS US)

Not applicable

Tylose MOBS 4070 P4

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations
SDS No: 10896-0453

SECTION 3: Composition/Information on ingredients

3.1. Substances

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 : Tylose MOBS 4070 P4

Name	Product identifier	%	GHS US classification
Cellulose, 2-hydroxypropyl methyl ether	CAS-No.: 9004-65-3	> 90	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

Full text of hazard classes and H-statements : see section 16

3.2. Mixtures

Not applicable

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. Most important symptoms and effects (acute and delayed)

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

4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

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

5.2. Specific hazards arising from the chemical

Hazardous decomposition products in case of fire : Toxic fumes may be released. Carbon oxides (CO, CO₂).

5.3. Special protective equipment and precautions for fire-fighters

Protection during firefighting : Self-contained breathing apparatus.

Tylose MOBS 4070 P4

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations
SDS No: 10896-0453



SE Tylose GmbH & Co. KG

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.

Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

Refer to protective measures listed in Sections 7 and 8. For further information refer to section 13.

SECTION 7: Handling and storage

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

Tylose MOBS 4070 P4

No additional information available

Cellulose, 2-hydroxypropyl methyl ether (9004-65-3)

No additional information available

Additional information : Obey TLV for common dust, if applicable

8.2. Appropriate engineering controls

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

Environmental exposure controls : Avoid release to the environment.

Tylose MOBS 4070 P4

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations
SDS No: 10896-0453



SE Tylose GmbH & Co. KG

8.3. Individual protection measures/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
breathing apparatus with filter	Type P1	Short term exposure

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

9.1. Information on basic physical and chemical properties

Physical state	: Solid
Appearance	: Powder.
Color	: whitish
Odor	: odorless
Odor threshold	: No data available
pH	: 6 – 8 10g/l
Melting point	: Not specifically applicable
Freezing point	: Not specifically applicable
Boiling point	: Not specifically applicable
Flash point	: Not specifically applicable
Relative evaporation rate (butyl acetate=1)	: Not specifically applicable
Flammability (solid, gas)	: No data available
Vapor pressure	: Not specifically applicable
Relative vapor density at 20 °C	: Not specifically applicable
Relative density	: Not specifically applicable
Density	: 1.1 – 1.5 g/cm ³ 20 °C
Solubility	: Water: > 10 g/l @ 20°C
Log Pow	: < 0
Auto-ignition temperature	: > 170 °C
Decomposition temperature	: No data available
Viscosity, kinematic	: Not specifically applicable
Viscosity, dynamic	: Not specifically applicable
Explosion limits	: Lower explosive limit (LEL): 30 g/m ³
Explosive properties	: Product is not explosive. Dust may form explosive mixture in air.
Oxidizing properties	: No data available

9.2. Other information

Minimum ignition energy	: > 10 mJ
-------------------------	-----------

Tylose MOBS 4070 P4

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations
SDS No: 10896-0453



SE Tylose GmbH & Co. KG

Bulk density	: 200 – 600 g/l
Combustion class	: 5
Smoldering temperature	: > 450 °C
p _{max}	: 10 bar
Dust explosion category	: ST1
K _{St}	: < 200 bar*m/s
Ignition temperature	: > 400 °C

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

No decomposition if stored normally.

10.5. Incompatible materials

Strong oxidizing agent.

10.6. Hazardous decomposition products

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

SECTION 11: Toxicological information

11.1. Information on toxicological effects

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

Tylose MOBS 4070 P4

LD50 oral rat	> 2000 mg/kg (OECD 425 method)
Skin corrosion/irritation	: Not classified pH: 6 – 8 10g/l
Serious eye damage/irritation	: Not classified pH: 6 – 8 10g/l
Respiratory or skin sensitization	: 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
Viscosity, kinematic	: No data available
Symptoms/effects after skin contact	: May cause sensitization of susceptible persons by skin contact.

Tylose MOBS 4070 P4

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations
SDS No: 10896-0453

Symptoms/effects after eye contact : May cause eye irritation.
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

12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.

Tylose MOBS 4070 P4

LC50 fish 1	> 1000 mg/l (OECD 203 method)
EC50 - Other aquatic organisms [1]	> 1000 mg/l (OECD 209 method)

12.2. Persistence and degradability

Tylose MOBS 4070 P4

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

Tylose MOBS 4070 P4

Log Pow	< 0
Bioaccumulative potential	Not potentially bioaccumulable.

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Other information : Do not release undiluted or in higher quantities into the groundwater, sewerage or waters.

SECTION 13: Disposal considerations

13.1. Disposal methods

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

SECTION 14: Transport information

In accordance with DOT / TDG / IMDG / IATA

DOT	TDG	IMDG	IATA
14.1. UN number			
Not regulated for transport			
14.2. Proper Shipping Name			
Not applicable	Not applicable	Not applicable	Not applicable

Tylose MOBS 4070 P4

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations
SDS No: 10896-0453



SE Tylose GmbH & Co. KG

DOT	TDG	IMDG	IATA
14.3. Transport hazard class(es)			
Not applicable	Not applicable	Not applicable	Not applicable
14.4. Packing group			
Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental hazards			
Not applicable	Not applicable	Not applicable	Not applicable
No supplementary information available			

14.6. Special precautions for user

DOT

No data available

TDG

No data available

IMDG

No data available

IATA

No data available

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1. US Federal regulations

All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

This product or mixture is not known to contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

15.2. International regulations

CANADA

Tylose MOBS 4070 P4

Listed on the Canadian DSL (Domestic Substances List)

Cellulose, 2-hydroxypropyl methyl ether (9004-65-3)

Listed on the Canadian DSL (Domestic Substances List)

Tylose MOBS 4070 P4

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations
SDS No: 10896-0453

EU-Regulations

Tylose MOBS 4070 P4

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)- Directive 79/831/EEC, sixth Amendment of Directive 67/548/EEC (dangerous substances)

National regulations

Tylose MOBS 4070 P4

Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)
Listed on the Japanese ENCS (Existing New Chemical Substances) inventory
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on the TCSI (Taiwan Chemical Substance Inventory)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on INSQ (Mexican national Inventory of Chemical Substances)
Listed on KECL/KECI (Korean Existing Chemicals Inventory)

15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

SECTION 16: Other information

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

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.

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

Tylose MOBS 4070 P4

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations
SDS No: 10896-0453



SE Tylose GmbH & Co. KG

Abbreviations and acronyms

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

Indication of changes:

Section	Changed item	Change	Comments
1	Address Information	Modified	

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 therefore not be construed as guaranteeing any specific property of the product.