

Tylopur 90SH-15000SR

Safety Data Sheet

according to the Model Work Health and Safety Regulations

Date of issue:17/01/2018 Revision date:01/07/2019 Supersedes:14/06/2019 Version: 5.2

SDS No: 10896-0326



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SECTION 1: Identification : Product identifier and chemical identity

1.1. Product identifier

Product form : Substance
Substance name : Tylopur 90SH-15000SR
Product code : MHPCPHARM

1.2. Other means of identification

Other means of identification : Hypromellose

1.3. Recommended use of the chemical and restrictions on use

Recommended use : Pharmaceutical additive
Binding agent
Thickeners
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 - www.setylose.com

Informing department

Customer Service / Sales
T +49 611 962 6442
contact@setylose.com

Importer

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

E-mail address of competent person responsible for the SDS: 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, 2-hydroxypropyl methyl ether | 9004-65-3 | > 93,5 | 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

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.

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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

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Australia - Occupational Exposure Limits

Obey TLV for common dust, if applicable

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 : 5 - 8 20 g/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/cm³ 20 °C
Relative density : Not specifically applicable
- Solubility : Water: > 10 g/l @ 20°C
- Log Pow : No data available
- Viscosity, kinematic : Not specifically applicable
- 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
- p_{max} : 6-10 bar
- Dust explosion category : ST1
- KSt : < 200 bar*m/s
- Ignition temperature : 360 - 400 °C
- MIT (Minimum Ignition Temperature) - Dust cloud : 360 - 400 °C
- MIT (Minimum Ignition Temperature) - Layer : > 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.

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| | |
|----------------------------------|--|
| Incompatible materials | : Strong oxidizing agent. |
| 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 |

| | |
|-----------------------------|-----------------------|
| Tylopur 90SH-15000SR | |
| LD50 oral rat | > 2000 mg/kg OECD 404 |

| | |
|-----------------------------------|---|
| Skin corrosion/irritation | : Not classified pH: 5 - 8 20 g/l |
| Serious eye damage/irritation | : Not classified pH: 5 - 8 20 g/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. |

| | |
|--------------------------------|-------------------------------|
| Tylopur 90SH-15000SR | |
| 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

| | |
|-------------------------------|---|
| Tylopur 90SH-15000SR | |
| 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

| | |
|-----------------------------|---------------------------------|
| Tylopur 90SH-15000SR | |
| 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 |

| | |
|------------------------------|-------|
| Tylopur 90SH-15000SR | |
| Fluorinated greenhouse gases | False |

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| | |
|------------------------------|-------|
| 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 |
|--------------------------------------|-----------------------|----------------|
| 14.2. UN proper shipping name | | |
| Not applicable | Not applicable | Not applicable |
| 14.4. Packing group | | |
| Not applicable | Not applicable | Not applicable |
| 14.5. Environmental hazards | | |
| | 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

Hazchem Code : 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

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| 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 BCF - Bioconcentration factor MARPOL 73/78 - MARPOL 73/78: International Convention for the Prevention of Pollution From Ships ADG - Transport of Australian Dangerous Goods |
| Revision date | : 01/07/2019 |
| 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.