Tylopur NE-4000

Safety Data Sheet

according to the Model Work Health and Safety Regulations

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SDS No: 10896-0293

SE Tylose GmbH & Co. KG

SECTION 1: Product identifier

1.1. GHS Product identifier

Product form	:	Substance
Substance name	:	Tylopur NE-4000
Product code	:	MHPCFOOD

1.2. Other means of identification

Other means of identification	:	E 464
Further information	:	UFI: Not classified = Not applicable

1.3. Recommended use of the chemical and restrictions on use

Recommended use	:	Food-stuff industry Food & dietary supplement Binding agent
Restrictions on use	:	There is no information available on applications that are not advised

1.4. Details of manufacturer or importer

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 / 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: Hazard identification

2.1. Classification of the hazardous chemical

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

Not classified

2.2. GHS Label elements, including precautionary statements

No labelling applicable

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.

SECTION 3: Composition and 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 necessary 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 : Not required for normal conditions of use.

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. Medical attention and special treatment

Treatment : Treat symptomatically.

SECTION 5: Fire-fighting 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. Specific hazards arising from the chemical

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

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 materials 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

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 and personal protection

8.1. Control parameters - exposure standards

Tylopur NE-4000	
Australia - Occupational Exposure Limits	
	Obey TLV for common dust, if applicable

8.2. Biological Monitoring

No additional information available

8.3. Engineering controls

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

8.4. Individual protection measures, such as personal protective equipment (PPE)

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 Vapour pressure at 50 °C: 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
Conbustion class	:	5
pmax	:	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.
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.
Hazardous decomposition products	:	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

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

Tylopur NE-4000	
LD50 oral rat	> 2000 mg/kg (OECD 425 method)

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

12.1. Ecotoxicity

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

Tylopur NE-4000	
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 NE-4000	
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 NE-4000	
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 NE-4000	
Fluorinated greenhouse gases	False

Cellulose, 2-hydroxypropyl methyl ether (9004-65-3)	
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
14.1. UN number		
Not applicable	Not applicable	Not applicable

ADG	IMDG	IATA
14.2. UN Proper Shipping Name		
Not applicable	Not applicable	Not applicable
14.3. Transport hazard class(es)		
Not applicable	Not applicable	Not applicable
14.4. Packing group		
Not applicable	Not applicable	Not applicable
14.5. Environmental hazards		
Not applicable	Not applicable	Not applicable

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 specific for the product in question

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: Other 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 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.