

Material Safety Data Sheet

Polarwachs® N500cs

WACHS- U. CERESIN-FABRIKEN

TH.C.TROMM

G.M.B.H. KÖLN



according to REACH Regulation EC/1272/2008, amendment by regulation (EC) 2020/878

Version: 23/01 E-CT-bm date of last change: August 17, 2023 print date: August 17, 2023 page 1 / 8

1. Identification of the substance / preparation and the Company

1.1. Product identifier

Trade name: Polarwachs® N500cs BHT-free
Chemical characterization: polyethylene wax
Component CAS-numbers: See section 3
Component EINECS-numbers: See section 3
REACH-No.: See section 3
UFI-No.: Not relevant, not classified as dangerous mixture

1.2. Relevant identified uses of the substances or mixture and uses advised against

Use of the substance / preparation: Product is defined as raw material for production or for further processing.
Please call us at the below stated telephone number to clarify further uses.
We will connect you with an application-engineering staff member to help you.
Recommended restrictions on use: Please see Chapter 16
Industrial sector: chemical industry, plastics industry, basic material

1.3. Details of the supplier of the safety data sheet

Company: Wachs- u. Ceresin-Fabriken TH.C.TROMM GmbH
Street: Delmenhorster Strasse 4
City: D-50735 Köln
Information about substance / preparation: Wachs- u. Ceresin-Fabriken TH.C.TROMM GmbH
Phone: +49(0)221 97 4552 0
Fax: +49(0)221 97 4552 30
E-Mail: waxlab@wax-tromm.de

1.4. Emergency telephone number

Emergency telephone: +49(0)221 97 4552 0 (Mo-Fr 8:00 to 15:30 h) CET

2. Hazards Identification

2.1. Classification of the substance or mixture

Classification/ Hazards characteristics: This product does not classified according (EC) 1272/2008 [CLP], actual version

2.2. Label elements

Labeling: This product does not require labeling according (EC) 1272/2008 [CLP], actual version

2.3. Other hazards

Additional safety information for humans and the environment: Risk of skin burns caused by hot melt.

Material Safety Data Sheet

Polarwachs® N500cs

WACHS- U. CERESIN-FABRIKEN

TH.C.TROMM

G.M.B.H. KÖLN



according to REACH Regulation EC/1272/2008, amendment by regulation (EC) 2020/878

Version: 23/01 E-CT-bm date of last change: August 17, 2023 print date: August 17, 2023 page 2 / 8

3. Composition / Information on Ingredients

3.1 Substances / 3.2 Mixtures

Chemical characterization:	polyethylene wax
Component CAS-numbers:	9002-88-4
Component EINECS-numbers:	200-815-3
Hazard ingredients:	none
REACH-No.:	exempt
Nano particles (EC 2018/1881):	the product does not contain Nano particle

4. First aid measures

4.1 Description of first aid measures

General information:

Take away contaminated clothes.

In case of eye contact:

In case of contact with eyes, rinse immediately thoroughly with plenty of water.

In case of eye irritation consult an ophthalmologist.

In case of skin contact:

In case of contact with molten product, cool skin area rapidly with cold water.

Do not peel solidified product off the skin.

In case of inhalation:

Move affected person into fresh air, keep warm and allow to rest. In case of respiratory tract irritation, consult a physician.

In case of ingestion:

Rinse mouth thoroughly with water.

Information to physician:

No data available. Treat symptomatically

5. Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

sand, foam ,dry powder, carbon dioxide (CO₂)

Extinguishing media which must not to be used for safety reasons:

water

5.2. Special hazards arising from the substances or mixture

Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases:

In case of fire may be liberated: Carbon dioxide, Nitro oxides (NO_x), soot and other organic products.

5.3. Advice for firefighters

Special protective equipment for fire fighters:

In case of fire: Wear self-contained breathing apparatus.

Material Safety Data Sheet

Polarwachs® N500cs

WACHS- U. CERESIN-FABRIKEN

TH.C.TROMM

G.M.B.H. KÖLN



according to REACH Regulation EC/1272/2008, amendment by regulation (EC) 2020/878
Version: 23/01 E-CT-bm date of last change: August 17, 2023 print date: August 17, 2023 page 3 / 8

Additional information:

Use water spray to protect personnel and to cool endangered containers.

6. Accidental Release measures

6.1. Personal precautions, protective equipment and emergency procedures:

Wear breathing apparatus if exposed to vapor/dusts/aerosols.

6.2. Environmental precautions:

Do not allow into drains, water courses or soil.

6.3. Methods and material for containment and cleaning up:

Allow product to cool down and solidify. Collect in suitable containers for recycling or disposal. Please look disposal considerations.

6.4. Reference to other sections

Information for safe handling. See section 7. Concerning personal protective equipment to use, see section 8. For further information refer to section 13.

7. Handling and Storage

7.1. Precautions for safe handling:

Avoid forming of wax vapor/fume. If this is not possible provide proper air ventilation; if necessary use suction plant.

7.1.1. Information about protection against fire and explosion

Steps against electrostatic charges should be provided. Product may only form ignitable compositions or burn, if heated up to temperatures higher than flashpoint

7.2. Conditions for safe storage, including any incompatibilities:

7.2.1. Requirements for storage areas and containers

Only use containers approved for the substance/product-group. Keep storage place cool and dry.

7.2.2. Hints for combined storage

Materials to avoid: Strong oxidizing agents.

Further information on storage conditions: Keep in cool, well ventilated place.

Fire class: B

Storage class: 11 (burnable solids)

7.3. Specific end use(s)

Typical applications: Observe technical data sheet.

8. Exposure controls / Personal protection

8.1. Control parameters

National occupational exposure limit value: No data available

European occupational exposure limit value: No data available

Material Safety Data Sheet

Polarwachs® N500cs

WACHS- U. CERESIN-FABRIKEN

TH.C.TROMM

G.M.B.H. KÖLN



according to REACH Regulation EC/1272/2008, amendment by regulation (EC) 2020/878

Version: 23/01 E-CT-bm date of last change: August 17, 2023 print date: August 17, 2023 page 4 / 8

Engineering measures: In case of thermal processing, provide for extraction of vapors or adequate ventilation.

PNEC-Values No data available

DNEL-Values No data available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Ensure good ventilation of the work station

8.2.2. Personal protection equipment

8.2.2.1. Respiratory protection

Respiratory protection is necessary at aerosol or mist formation: use mask of filter types A2, A2/P2 or ABEK.

8.2.2.2. Hand protection

Hand protection in accordance to other used chemicals. Preventive hand protection is recommended. The regular use of protective skin cream is recommended.

8.2.2.3. Eye protection

Protection glasses with side protection.

8.2.2.4. Body protection

If contact with hot product is possible, please wear heat resistant and flame retardant protective clothing.

8.2.2.5. Hygiene measures

Usual precautions for proper handling of chemicals should be observed. After work, before meal breaks, clean wax soiled skin by water and emollient cleaning agent/soap. Avoid inhalation of wax fume.

8.2.3. Thermal hazards

No additional information available

8.2.4. Environmental exposure controls

Avoid release to the environment

9. Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Form: solid

Color: white to off-white

Odor: low typical

Important health, safety and environmental information

pH-value: not applicable

Drop point (DIN ISO 2176): 60 – 110 °C

Boiling temperature / -range: undetermined

Vapor pressure: undetermined

Density@20°C (DIN 53217): approx. 0,92 g/cm³

Solubility in Water : insoluble

Viscosity@120°C (DIN 53019): < 30 mPas

Material Safety Data Sheet

Polarwachs® N500cs

WACHS- U. CERESIN-FABRIKEN

TH.C.TROMM

G.M.B.H. KÖLN



according to REACH Regulation EC/1272/2008, amendment by regulation (EC) 2020/878

Version: 23/01 E-CT-bm date of last change: August 17, 2023 print date: August 17, 2023 page 5 / 8

Flash point (DIN ISO 2592):	> 150	°C
Ignition temperature:	not available	
Self-ignition:	not determined / only above flash point	
Explosion hazard:	only as aerosol / dust	
Oxidizing properties:	unknown	
Vapor density:	undetermined	
Evaporation rate	undetermined	

9.2. Other information

9.2.1. Information with regard to physical hazard classes

No additional information available

9.2.2. Other safety characteristics

No additional information available

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 additional information available

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

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

11. Toxicological information

11.1. Information on hazard classes as defined in Regulation(EC) No 1272/2008

Non- human toxicological data

Acute oral toxicity:	LD50 (rat) > 3000 mg/kg
Acute dermal toxicity:	No data available
Skin corrosion/irritation	No data available
Serious eye damage/eye irritation	No data available
Respiratory or skin sensitisation	No data available
Germ cell mutagenicity	No data available
Carcinogenicity	No data available

Material Safety Data Sheet

Polarwachs® N500cs

WACHS- U. CERESIN-FABRIKEN

TH.C.TROMM

G.M.B.H. KÖLN



according to REACH Regulation EC/1272/2008, amendment by regulation (EC) 2020/878

Version: 23/01 E-CT-bm date of last change: August 17, 2023 print date: August 17, 2023 page 6 / 8

Reproductive toxicity No data available

STOT - single exposure No data available

STOT - repeated exposure No data available

Aspiration toxicity No data available

11.2. Information on other hazards

No additional information available

11.3. Endocrine disrupting properties

No additional information available

11.4. Additional information:

Data obtained by analogy e.g. QSAR.

12. Ecological information

12.1. Toxicity No additional information available

12.2. Persistence and degradability No additional information available

12.3. Bioaccumulative potential No additional information available

12.4. Mobility in soil No additional information available

12.5 Results of PBT and vPvB assessment No additional information available

12.6. Endocrine disrupting properties No additional information available

12.7. Other adverse effects No additional information available

12.8. Behavior in environmental compartments:

Technically correct releases of minimal concentrations to adapted biological sewage plants will not disturb the biodegradability of activated sludge.

12.9. Further information:

Do not allow uncontrolled discharge of product into the environment

13. Disposal considerations

Product:

With respect to local regulations, e.g. dispose of into suitable waste incineration plant.

Waste designations in accordance with AVV

No waste key number as per the "European Waste types"-list can be assigned to this product, since such classification is based on the (as yet undetermined) use to which the product is put by the consumer. The waste key number must be determined as per the "European Waste Types"-list (decision on EU Waste Types List 2000/532/EC) in cooperation with the disposal company / producing company / official authority.

Empty packages:

Non-contaminated packages may be recycled. Packing that cannot be properly cleaned must be disposed of.

14. TRANSPORT INFORMATION

In accordance with ADR / IMDG / IATA / AND / RID

14.1. UN number or ID number Not regulated as a dangerous good (ADN, ADR, RID, IMDG, IATA)

Material Safety Data Sheet

Polarwachs® N500cs

WACHS- U. CERESIN-FABRIKEN

TH.C.TROMM

G.M.B.H. KÖLN



according to REACH Regulation EC/1272/2008, amendment by regulation (EC) 2020/878

Version: 23/01 E-CT-bm date of last change: August 17, 2023 print date: August 17, 2023 page 7 / 8

14.2. UN proper shipping name Not applicable

14.3. Transport hazard class(es) Not applicable

14.4. Packing group Not applicable

14.5. Environmental hazards Not applicable

14.6. Special precautions for user

Overland transport Not applicable

Transport by sea Not applicable

Air transport Not applicable

Inland waterway transport Not applicable

Rail transport Not applicable

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substances or mixture:

15.1.1 EU-Regulations

The product does not require a hazard warning label in accordance to 67/548/EWG and 1999/45/EC; as well as EC/1272/2008, actual version.

National regulation:

Please check local regulation and contact administration.

Water hazard class: not water endangering; in accord. to AwSV, Annex 1

16. Other information

16.1. Recommended restrictions on use

Do not heat up to temperatures higher than flash point.

16.2 SVHC

The substances listed in (<http://echa.europa.eu/en/candidate-list-table>) are neither expected nor intentionally introduced during the manufacturing process. Our products do not have any contact to these substances during the manufacturing process. The fact that these substances are not intentionally introduced does not exclude that trace levels below 0,1 % may be unintentionally present or may the result of specific characteristics of the raw material.

16.3. Remark Safety Data Sheet

This document is prepared as a communication tool to inform downstream users regarding the status of this substance under REACH and CLP, some of its intrinsic properties, as well as to communicate the guidance on safe use. An extended Safety Data Sheet (SDS) is not required for this substance according to Article 31 of Regulation (EC) 1907/2006 (REACH). Consequently, the format and content of this document is outside the scope of SDS as specified in Commission Regulation (EU) 453/2010, amending Regulation (EC) 1907/2006.

Material Safety Data Sheet

Polarwachs® N500cs

WACHS- U. CERESIN-FABRIKEN

TH.C.TROMM

G.M.B.H. KÖLN



according to REACH Regulation EC/1272/2008, amendment by regulation (EC) 2020/878

Version: 23/01 E-CT-bm date of last change: August 17, 2023 print date: August 17, 2023 page 8 / 8

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

With this latest version of the safety data sheet, all previous versions automatically lose their validity.
