

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



DE / EN

## DisboPUR 924 PHS Comp. A Sonderton

|         |                |             |                                 |
|---------|----------------|-------------|---------------------------------|
| Version | Revision Date: | SDS Number: | Date of last issue: 21.04.2021  |
| 2.1     | 19.05.2023     | 6007986     | Date of first issue: 10.12.2019 |

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifier

Trade name : DisboPUR 924 PHS Comp. A Sonderton

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Use of the Sub-stance/Mixture : Polyurethane-resin-based coating material, solvent-containing

Recommended restrictions on use : within adequate application - none

#### 1.3 Details of the supplier of the safety data sheet

Company : Disbon GmbH  
Roßdörfer Straße 50  
64372 Ober-Ramstadt

Telephone : +496154710  
Telefax : +4961547170222

Website :  
E-mail address Responsible/issuing person : msds@dr-rmi.com

#### 1.4 Emergency telephone

Emergency telephone 1 : +49613284463 GBK GmbH

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

##### Classification (REGULATION (EC) No 1272/2008)

|  |  |
|--|--|
| Flammable liquids, Category 3                                  | H226: Flammable liquid and vapor.  |
| Skin irritation, Category 2                                    | H315: Causes skin irritation.  |
| Eye irritation, Category 2                                     | H319: Causes serious eye irritation.                                     |
| Skin sensitization, Category 1                                 | H317: May cause an allergic skin reaction.                               |
| Specific target organ toxicity - repeated exposure, Category 2 | H373: May cause damage to organs through prolonged or repeated exposure. |
| Long-term (chronic) aquatic hazard, Cat-                       | H412: Harmful to aquatic life with long lasting ef-                      |

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



DE / EN

## DisboPUR 924 PHS Comp. A Sonderton

|         |                |             |                                 |
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| 2.1     | 19.05.2023     | 6007986     | Date of first issue: 10.12.2019 |

Category 3

Effects.

### 2.2 Label elements

#### Labeling (REGULATION (EC) No 1272/2008)

Hazard pictograms :



Signal Word : Warning

Hazard Statements : H226 Flammable liquid and vapor.  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H319 Causes serious eye irritation.  
H373 May cause damage to organs through prolonged or repeated exposure.  
H412 Harmful to aquatic life with long lasting effects.

Precautionary Statements : **Prevention:**  
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P260 Do not breathe vapours/ spray.  
P262 Do not get in eyes, on skin, or on clothing.  
P264 Wash hands thoroughly after handling.  
P271 Use only outdoors or in a well-ventilated area.  
P280 Wear protective gloves/ eye protection.

#### Hazardous ingredients which must be listed on the label:

xylene  
Acrylic copolymer  
bis[2-[2-(1-methylethyl)-3-oxazolidinyl]ethyl] hexan-1,2-diylbiscarbamate  
Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate  
hexahydromethylphthalic anhydride

#### Additional Labeling

EUH211 Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

### 2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



DE / EN

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Version 2.1      Revision Date: 19.05.2023      SDS Number: 6007986      Date of last issue: 21.04.2021  
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### SECTION 3: Composition/information on ingredients

#### 3.2 Mixtures

##### Components

| Chemical name   | CAS-No.<br>EC-No.<br>Index-No.<br>Registration number       | Classification  | Concentration<br>(% w/w) |
|---|---|---|--------------------------|
| xylene  | 1330-20-7<br>215-535-7<br>601-022-00-9<br>01-2119488216-32  | Flam. Liq. 3; H226<br>Acute Tox. 4; H332<br>Acute Tox. 4; H312<br>Skin Irrit. 2; H315<br>Eye Irrit. 2; H319<br>STOT SE 3; H335<br>Asp. Tox. 1; H304<br>STOT RE 2; H373      | $\geq 10 - < 20$         |
| titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter $\leq 10 \mu\text{m}$ ] | 13463-67-7<br>236-675-5<br>022-006-00-2<br>01-2119489379-17 | Carc. 2; H351   | $\geq 1 - < 10$          |
| Acrylic copolymer   | Not Assigned  | Skin Irrit. 2; H315<br>Skin Sens. 1B; H317  | $\geq 1 - < 10$          |
| bis[2-[2-(1-methylethyl)-3-oxazolidinyl]ethyl] hexan-1,2-diylbiscarbamate   | 59719-67-4<br>261-879-6<br>01-2119983487-19                 | Eye Irrit. 2; H319<br>Skin Sens. 1B; H317<br>Aquatic Chronic 2;<br>H411   | $\geq 2,5 - < 10$        |
| Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate  | 1065336-91-5<br>915-687-0<br>01-2119491304-40               | Skin Sens. 1A; H317<br>Aquatic Acute 1;<br>H400<br>Aquatic Chronic 1;<br>H410<br>Repr. 2; H361f   | $\geq 0,25 - < 1$        |
| hexahydromethylphthalic anhydride   | 25550-51-0<br>247-094-1<br>607-241-00-6<br>01-2119845474-33 | Eye Dam. 1; H318<br>Resp. Sens. 1; H334<br>Skin Sens. 1; H317   | $\geq 0,1 - < 1$         |
| dibutyltin dichloride   | 683-18-1<br>211-670-0<br>050-022-00-X<br>01-2119496066-31   | Acute Tox. 4; H312<br>Acute Tox. 3; H301<br>Skin Corr. 1B; H314<br>Muta. 2; H341<br>Repr. 1B; H360FD<br>STOT RE 1; H372<br>Aquatic Chronic 1;<br>H410<br>Acute Tox. 2; H330 | $\geq 0,025 - < 0,1$     |

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



DE / EN

## DisboPUR 924 PHS Comp. A Sonderton

|                |                              |                        |   |
|----------------|------------------------------|------------------------|---|
| Version<br>2.1 | Revision Date:<br>19.05.2023 | SDS Number:<br>6007986 | Date of last issue: 21.04.2021<br>Date of first issue: 10.12.2019 |
|----------------|------------------------------|------------------------|---|

|  |  |  |   |  |
|--|--|--|---|--|
|  |  |  | M-Factor (Acute aquatic toxicity): 10<br>M-Factor (Chronic aquatic toxicity): 10<br><hr/> specific concentration limit<br>Skin Corr. 1B; H314<br>>= 5 %<br>Skin Irrit. 2; H315<br>0,01 - < 5 %<br>Eye Dam. 1; H318<br>3 - < 5 %<br>Eye Irrit. 2; H319<br>0,01 - < 3 % |  |
|--|--|--|---|--|

For explanation of abbreviations see section 16.

## SECTION 4: First aid measures

### 4.1 Description of first-aid measures

- General advice : Show this material safety data sheet to the doctor in attendance.  
When symptoms persist or in all cases of doubt seek medical advice.  
Move out of dangerous area.  
First aider needs to protect himself.  
Never give anything by mouth to an unconscious person.
- If inhaled : Call a physician.  
If breathing is irregular or stopped, administer artificial respiration.  
If unconscious, place in recovery position and seek medical advice.  
If symptoms persist, call a physician.  
Move to fresh air.
- In case of skin contact : Do NOT use solvents or thinners.  
In case of contact, immediately flush skin with soap and plenty of water.  
Take off all contaminated clothing immediately.
- In case of eye contact : If eye irritation persists: Get medical advice/ attention.  
IF IN EYES: Rinse cautiously with water for several minutes.  
Remove contact lenses, if present and easy to do. Continue

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



DE / EN

## DisboPUR 924 PHS Comp. A Sonderton

|         |                |             |                                 |
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| 2.1     | 19.05.2023     | 6007986     | Date of first issue: 10.12.2019 |

rinsing.

If swallowed : Clean mouth with water and drink afterwards plenty of water.  
If accidentally swallowed obtain immediate medical attention.  
If swallowed, DO NOT induce vomiting.

### 4.2 Most important symptoms and effects, both acute and delayed

None known.

### 4.3 Indication of any immediate medical attention and special treatment needed

Treatment : No information available.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.  
Foam  
Carbon dioxide (CO<sub>2</sub>)

Unsuitable extinguishing media : Water

### 5.2 Special hazards arising from the substance or mixture

Specific hazards during fire fighting : Cool closed containers exposed to fire with water spray.  
In case of fire hazardous decomposition products may be produced such as:  
Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke).

### 5.3 Advice for firefighters

Special protective equipment for fire-fighters : In the event of fire, wear self-contained breathing apparatus.

Further information : Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.  
Standard procedure for chemical fires.  
In the event of fire and/or explosion do not breathe fumes.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Do not get in eyes, on skin, or on clothing.  
When workers are facing concentrations above the exposure

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



DE / EN

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|         |                |             |                                 |
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limit they must use appropriate certified respirators.  
Evacuate personnel to safe areas.  
Ensure adequate ventilation.  
Remove all sources of ignition.

### 6.2 Environmental precautions

Environmental precautions : Prevent further leakage or spillage if safe to do so.  
If the product contaminates rivers and lakes or drains inform respective authorities.  
Do not flush into surface water or sanitary sewer system.

### 6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).

### 6.4 Reference to other sections

For further information see Section 7 of the safety data sheet.

, For personal protection see section 8., For disposal considerations see section 13.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Advice on safe handling : For personal protection see section 8.  
Avoid exceeding the given occupational exposure limits (see section 8).  
Provide sufficient air exchange and/or exhaust in work rooms.  
Contains isocyanates. Please, attend to producer's advice.  
Liquid product may irritate and sensitize skin and respiratory tract and may cause allergic reaction. Do not inhale vapours.  
Take care for sufficient fresh air supply during and after use.  
Product must not be sprayed. Allergics or persons tending to respiratory tract diseases must not be involved in operations with this product.

In addition, the current technical information for this product and its application on [www.caparol.com](http://www.caparol.com) must be observed.

Advice on protection against fire and explosion : Vapors may form explosive mixtures with air. Vapors are heavier than air and may spread along floors. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Hygiene measures : Keep working clothes separately. Remove and wash contaminated clothing before re-use. Avoid contact with the skin and the eyes. Wash hands before eating, drinking, or smoking. Do

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



DE / EN

## DisboPUR 924 PHS Comp. A Sonderton

Version 2.1      Revision Date: 19.05.2023      SDS Number: 6007986      Date of last issue: 21.04.2021  
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not eat, drink or smoke when using this product. Remove contaminated clothing and protective equipment before entering eating areas.

### 7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Store in original container. Store between 41 and 77 °F in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Storage class (TRGS 510) : 3

### 7.3 Specific end use(s)

Specific use(s) : This information is not available.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational Exposure Limits

| Components   | CAS-No.  | Value type (Form of exposure) | Control parameters                           | Basis       |
|--|--|-------------------------------|--|-------------|
| xylene   | 1330-20-7  | TWA                           | 50 ppm<br>221 mg/m <sup>3</sup>              | 2000/39/EC  |
|  | Further information: Identifies the possibility of significant uptake through the skin, Indicative                                       |                               |  |             |
|  |  | STEL                          | 100 ppm<br>442 mg/m <sup>3</sup>             | 2000/39/EC  |
|  | Further information: Identifies the possibility of significant uptake through the skin, Indicative                                       |                               |  |             |
|  |  | AGW                           | 50 ppm<br>220 mg/m <sup>3</sup>              | DE TRGS 900 |
|  | Peak-limit category: 2;(II)  |                               |  |             |
|  | Further information: Skin absorption   |                               |  |             |
| titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm] | 13463-67-7   | AGW (Inhalable fraction)      | 10 mg/m <sup>3</sup><br>(Titanium dioxide)   | DE TRGS 900 |
|  | Peak-limit category: 2;(II)  |                               |  |             |
|  | Further information: When there is compliance with the OEL and biological tolerance values, there is no risk of harming the unborn child |                               |  |             |
|  |  | AGW (Alveolate fraction)      | 1,25 mg/m <sup>3</sup><br>(Titanium dioxide) | DE TRGS 900 |
|  | Peak-limit category: 2;(II)  |                               |  |             |

# SAFETY DATA SHEET

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DE / EN

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|                       |   |                             |   |             |
|-----------------------|---|-----------------------------|---|-------------|
|                       | Further information: When there is compliance with the OEL and biological tolerance values, there is no risk of harming the unborn child                  |                             |   |             |
|                       |   | BM (Alveolar dust fraction) | 0,5 mg/m <sup>3</sup>                       | DE TRGS 527 |
| dibutyltin dichloride | 683-18-1  | AGW (Vapour and aerosols)   | 0,0018 ppm<br>0,009 mg/m <sup>3</sup> (Tin) | DE TRGS 900 |
|                       | Peak-limit category: 1;(l)  |                             |   |             |
|                       | Further information: Skin absorption, When there is compliance with the OEL and biological tolerance values, harm to the unborn child can not be excluded |                             |   |             |

### Biological occupational exposure limits

| Substance name | CAS-No.   | Control parameters                                    | Sampling time                                     | Basis    |
|----------------|-----------|---|---|----------|
| xylene         | 1330-20-7 | methylhippuric acid (all isomers): 2.000 mg/l (Urine) | Immediately after exposure or after working hours | TRGS 903 |

### Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

| Substance name   | End Use  | Routes of exposure | Potential health effects   | Value                      |
|--|--|--------------------|----------------------------|----------------------------|
| xylene   | Consumers  | Inhalation         | Acute local effects        | 174,00 mg/m <sup>3</sup>   |
|  | Consumers  | Skin contact       | Long-term systemic effects | 108,00 mg/kg bw/day        |
|  | Consumers  | Inhalation         | Acute systemic effects     | 174,00 mg/m <sup>3</sup>   |
|  | Consumers  | Ingestion          | Long-term systemic effects | 1,60 mg/kg bw/day          |
|  | Consumers  | Inhalation         | Long-term systemic effects | 14,80 mg/m <sup>3</sup>    |
|  | Workers  | Inhalation         | Acute systemic effects     | 289,00 mg/m <sup>3</sup>   |
|  | Workers  | Inhalation         | Acute local effects        | 289,00 mg/m <sup>3</sup>   |
|  | Workers  | Inhalation         | Long-term systemic effects | 77,00 mg/m <sup>3</sup>    |
|  | Workers  | Skin contact       | Long-term systemic effects | 180,00 mg/kg bw/day        |
|  | titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm] | Consumers          | Ingestion                  | Long-term systemic effects |
|  | Workers  | Inhalation         | Long-term local effects    | 10,00 mg/m <sup>3</sup>    |
| bis[2-[2-(1-methylethyl)-3-oxazolidinyl]ethyl]hexan-1,2- | Consumers  | Inhalation         | Long-term systemic effects | 6,25 mg/m <sup>3</sup>     |



# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



DE / EN

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Version 2.1      Revision Date: 19.05.2023      SDS Number: 6007986      Date of last issue: 21.04.2021  
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|  |           |              |                            |                          |
|--|-----------|--------------|----------------------------|--------------------------|
| diylbiscarbamate   |           |              |                            |                          |
|  | Consumers | Skin contact | Long-term systemic effects | 8,30 mg/kg bw/day        |
|  | Consumers | Inhalation   | Long-term local effects    | 50,00 mg/m <sup>3</sup>  |
|  | Consumers | Ingestion    | Long-term systemic effects | 4,20 mg/kg bw/day        |
|  | Workers   | Inhalation   | Long-term systemic effects | 29,40 mg/m <sup>3</sup>  |
|  | Workers   | Inhalation   | Long-term local effects    | 150,00 mg/m <sup>3</sup> |
|  | Workers   | Skin contact | Long-term systemic effects | 16,70 mg/kg bw/day       |
| Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate | Consumers | Inhalation   | Acute local effects        | 0,58 mg/m <sup>3</sup>   |
|  | Consumers | Ingestion    | Long-term systemic effects | 1,25 mg/kg bw/day        |
|  | Consumers | Inhalation   | Long-term systemic effects | 0,58 mg/m <sup>3</sup>   |
|  | Consumers | Inhalation   | Acute systemic effects     | 0,58 mg/m <sup>3</sup>   |
|  | Consumers | Skin contact | Long-term systemic effects | 1,25 mg/kg bw/day        |
|  | Consumers | Skin contact | Acute systemic effects     | 1,25 mg/kg bw/day        |
|  | Consumers | Ingestion    | Acute systemic effects     | 1,25 mg/kg bw/day        |
|  | Workers   | Inhalation   | Acute systemic effects     | 2,35 mg/m <sup>3</sup>   |
|  | Workers   | Inhalation   | Acute local effects        | 2,35 mg/m <sup>3</sup>   |
|  | Workers   | Inhalation   | Long-term systemic effects | 2,35 mg/m <sup>3</sup>   |
|  | Workers   | Skin contact | Acute systemic effects     | 2,50 mg/kg bw/day        |
|  | Workers   | Skin contact | Long-term systemic effects | 2,50 mg/kg bw/day        |
| hexahydro-methylphthalic anhydride   | Consumers | Ingestion    | Long-term systemic effects | 45,00 mg/kg bw/day       |
|  | Consumers | Skin contact | Long-term systemic effects | 45,00 mg/kg bw/day       |
|  | Consumers | Inhalation   | Long-term systemic effects | 19,60 mg/m <sup>3</sup>  |
|  | Workers   | Inhalation   | Long-term systemic         | 79,30 mg/m <sup>3</sup>  |

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



DE / EN

## DisboPUR 924 PHS Comp. A Sonderton

Version 2.1      Revision Date: 19.05.2023      SDS Number: 6007986      Date of last issue: 21.04.2021  
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|-----------------------|-----------|--------------|----------------------------|------------------------|
|                       | Workers   | Skin contact | Long-term systemic effects | 90,00 mg/kg bw/day     |
| dibutyltin dichloride | Consumers | Ingestion    | Long-term systemic effects | 0,00 mg/kg bw/day      |
|                       | Consumers | Skin contact | Acute systemic effects     | 0,50 mg/kg bw/day      |
|                       | Consumers | Inhalation   | Acute systemic effects     | 0,02 mg/m <sup>3</sup> |
|                       | Consumers | Skin contact | Long-term systemic effects | 0,08 mg/kg bw/day      |
|                       | Consumers | Ingestion    | Acute systemic effects     | 0,01 mg/kg bw/day      |
|                       | Workers   | Inhalation   | Acute systemic effects     | 0,07 mg/m <sup>3</sup> |
|                       | Workers   | Inhalation   | Long-term systemic effects | 0,01 mg/m <sup>3</sup> |
|                       | Workers   | Skin contact | Acute systemic effects     | 1,00 mg/kg bw/day      |
|                       | Workers   | Skin contact | Long-term systemic effects | 0,20 mg/kg bw/day      |
|                       | Consumers | Inhalation   | Long-term systemic effects | 0,00 mg/m <sup>3</sup> |

### Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:

| Substance name   | Environmental Compartment | Value                         |
|--|---------------------------|-------------------------------|
| xylene   | Fresh water               | 0,327 mg/l                    |
|  | Intermittent use/release  | 0,327 mg/l                    |
|  | Soil                      | 2,31 mg/kg dry weight (d.w.)  |
|  | Fresh water sediment      | 12,46 mg/kg dry weight (d.w.) |
|  | Sewage treatment plant    | 6,58 mg/l                     |
|  | Sea water                 | 0,327 mg/l                    |
|  | Sea sediment              | 12,46 mg/kg dry weight (d.w.) |
| titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm] | Sewage treatment plant    | 100 mg/l                      |
|  | Fresh water               | 0,184 mg/l                    |
|  | Soil                      | 100 mg/kg dry weight (d.w.)   |
|  | Sea water                 | 0,0184 mg/l                   |
|  | Fresh water sediment      | 1000 mg/kg dry weight (d.w.)  |
|  | Sea sediment              | 100 mg/kg dry weight (d.w.)   |
|  | Intermittent use/release  | 0,193 mg/l                    |

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



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Version 2.1      Revision Date: 19.05.2023      SDS Number: 6007986      Date of last issue: 21.04.2021  
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| bis[2-[2-(1-methylethyl)-3-oxazolidinyl]ethyl] hexan-1,2-diylbiscarbamate  | Sewage treatment plant   | 89,4 mg/l                        |
|  | Fresh water              | 0,0186 mg/l                      |
|  | Sea sediment             | 0,0709 mg/kg dry weight (d.w.)   |
|  | Sea water                | 0,00186 mg/l                     |
|  | Intermittent use/release | 0,186 mg/l                       |
|  | Soil                     | 0,131 mg/kg dry weight (d.w.)    |
|  | Fresh water sediment     | 0,709 mg/kg dry weight (d.w.)    |
| Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate | Sea water                | 0,00022 mg/l                     |
|  | Soil                     | 0,21 mg/kg dry weight (d.w.)     |
|  | Fresh water              | 0,0022 mg/l                      |
|  | Sewage treatment plant   | 1 mg/l                           |
|  | Fresh water sediment     | 1,05 mg/kg dry weight (d.w.)     |
|  | Intermittent use/release | 0,009 mg/l                       |
|  | Sea sediment             | 0,11 mg/kg dry weight (d.w.)     |
| hexahydromethylphthalic anhydride  | Fresh water              | 0,1 mg/l                         |
|  | Soil                     | 0,603 mg/kg dry weight (d.w.)    |
|  | Sea water                | 0,01 mg/l                        |
|  | Intermittent use/release | 1 mg/l                           |
|  | Sewage treatment plant   | 2,19 mg/l                        |
|  | Sea sediment             | 0,269 mg/kg dry weight (d.w.)    |
|  | Fresh water sediment     | 2,69 mg/kg dry weight (d.w.)     |
| dibutyltin dichloride  | Fresh water              | 0,000843 mg/l                    |
|  | Intermittent use/release | 0,00843 mg/l                     |
|  | Soil                     | 0,00181 mg/kg dry weight (d.w.)  |
|  | Secondary Poisoning      | 0,2 mg/kg food                   |
|  | Fresh water sediment     | 0,006526 mg/kg dry weight (d.w.) |
|  | Sewage treatment plant   | 0,115 mg/l                       |
|  | Sea sediment             | 0,000653 mg/kg dry weight (d.w.) |
|  | Sea water                | 0,000084 mg/l                    |

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



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|         |                |             |                                 |
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| 2.1     | 19.05.2023     | 6007986     | Date of first issue: 10.12.2019 |

### 8.2 Exposure controls

#### Personal protective equipment

Eye/face protection : DGUV Regulation 112-192 - Use of eye and face protection  
Tightly fitting safety goggles

#### Hand protection

Material : butyl-rubber  
Glove thickness : 0,3 mm  
Protective index : Class 3  
Wearing time : 30 min

Remarks : Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough. Before removing gloves clean them with soap and water. Wear suitable gloves tested to EN374.  
DGUV Regulation 112-195 - Use of protective gloves

Skin and body protection : Safety shoes  
Long sleeved clothing  
Remove and wash contaminated clothing before re-use.  
Additional body garments should be used based upon the task being performed (e.g., sleevelets, apron, gauntlets, disposable suits) to avoid exposed skin surfaces.

Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Skin should be washed after contact.

Respiratory protection : When exceeding the WEL substance Limit a respiratory filter Type A is necessary. Class 1 or 2 has to be chosen depending on the workplace concentration.  
Do not use for spraying.

German trade association rules - BGR 190 Breathing protection

During spray application: Do not breathe spray dust. Use A2/P2 combination filter for paint spraying.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Physical state : liquid

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



DE / EN

## DisboPUR 924 PHS Comp. A Sonderton

|         |                |             |                                 |
|---------|----------------|-------------|---------------------------------|
| Version | Revision Date: | SDS Number: | Date of last issue: 21.04.2021  |
| 2.1     | 19.05.2023     | 6007986     | Date of first issue: 10.12.2019 |

|  |   |                                   |
|--|---|-----------------------------------|
| Color  | : | white                             |
| Odor   | : | No data available                 |
| Odor Threshold                                   | : | Not relevant                      |
| Melting point/freezing point                     | : | not determined                    |
| Boiling point/boiling range                      | : | not determined                    |
| Upper explosion limit / Upper flammability limit | : | not determined                    |
| Lower explosion limit / Lower flammability limit | : | not determined                    |
| Flash point                                      | : | 33 °C                             |
| Autoignition temperature                         | : | not determined                    |
| Decomposition temperature                        | : | Not applicable                    |
| pH   | : | 6,95<br>Concentration: 10 %       |
| Viscosity  |   |                                   |
| Viscosity, dynamic                               | : | No data available                 |
| Viscosity, kinematic                             | : | > 20,5 mm <sup>2</sup> /s (40 °C) |
| Solubility(ies)                                  |   |                                   |
| Water solubility                                 | : | partly miscible                   |
| Partition coefficient: n-octanol/water           | : | not determined                    |
| Vapor pressure                                   | : | not determined                    |
| Relative density                                 | : | not determined                    |
| Density  | : | 1,7 g/cm <sup>3</sup>             |
| Relative vapor density                           | : | Heavier than air.                 |

### 9.2 Other information

|                      |   |                |
|----------------------|---|----------------|
| Explosives           | : | Not applicable |
| Oxidizing properties | : | Not applicable |

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



DE / EN

## DisboPUR 924 PHS Comp. A Sonderton

|         |                |             |                                 |
|---------|----------------|-------------|---------------------------------|
| Version | Revision Date: | SDS Number: | Date of last issue: 21.04.2021  |
| 2.1     | 19.05.2023     | 6007986     | Date of first issue: 10.12.2019 |

Flammability (liquids) : Sustains combustion  
Evaporation rate : Not applicable

### SECTION 10: Stability and reactivity

#### 10.1 Reactivity

No decomposition if stored and applied as directed.

#### 10.2 Chemical stability

No decomposition if stored and applied as directed.

#### 10.3 Possibility of hazardous reactions

Hazardous reactions : Amines and alcohols cause exothermic reactions.  
Mixture reacts slowly with water resulting in evolution of CO<sub>2</sub>.

#### 10.4 Conditions to avoid

Conditions to avoid : Exposure to water vapor.  
Protect from frost, heat and sunlight.

#### 10.5 Incompatible materials

Materials to avoid : Amines  
Incompatible with oxidizing agents.  
Incompatible with acids and bases.

#### 10.6 Hazardous decomposition products

No decomposition if stored and applied as directed.

### SECTION 11: Toxicological information

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

##### Acute toxicity

##### Product:

Acute oral toxicity : Remarks: Based on available data, the classification criteria are not met.

Acute inhalation toxicity : Remarks: Based on available data, the classification criteria are not met.

Acute toxicity estimate: > 20000 ppm  
Exposure time: 4 h  
Test atmosphere: gas  
Method: Calculation method

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



DE / EN

## DisboPUR 924 PHS Comp. A Sonderton

|         |                |             |                                 |
|---------|----------------|-------------|---------------------------------|
| Version | Revision Date: | SDS Number: | Date of last issue: 21.04.2021  |
| 2.1     | 19.05.2023     | 6007986     | Date of first issue: 10.12.2019 |

Acute dermal toxicity : Remarks: Based on available data, the classification criteria are not met.

Acute toxicity estimate: > 2.000 mg/kg  
Method: Calculation method

### Components:

#### **xylene:**

Acute inhalation toxicity : LC50 (Rat): 5000 ppm  
Exposure time: 4 h  
Test atmosphere: gas

### **Skin corrosion/irritation**

#### Product:

Remarks : May cause skin irritation and/or dermatitis.

### **Serious eye damage/eye irritation**

#### Product:

Remarks : Vapors may cause irritation to the eyes, respiratory system and the skin.

### **Respiratory or skin sensitization**

#### Product:

Remarks : Causes sensitization.

## 11.2 Information on other hazards

## SECTION 12: Ecological information

### 12.1 Toxicity

#### Components:

#### **dibutyltin dichloride:**

M-Factor (Acute aquatic toxicity) : 10

M-Factor (Chronic aquatic toxicity) : 10

### 12.2 Persistence and degradability

No data available

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



DE / EN

## DisboPUR 924 PHS Comp. A Sonderton

|         |                |             |                                 |
|---------|----------------|-------------|---------------------------------|
| Version | Revision Date: | SDS Number: | Date of last issue: 21.04.2021  |
| 2.1     | 19.05.2023     | 6007986     | Date of first issue: 10.12.2019 |

### 12.3 Bioaccumulative potential

No data available

### 12.4 Mobility in soil

No data available

### 12.5 Results of PBT and vPvB assessment

#### Product:

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

### 12.6 Endocrine disrupting properties

No data available

### 12.7 Other adverse effects

#### Product:

Additional ecological information : Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Product : Uncured product residues and unpurified packaging should be disposed of as hazardous waste.  
Waste should not be disposed of via wastewater.

Material residues: Allow the basic substance to harden with hardener and dispose of as paint waste.

Contaminated packaging : Only completely emptied containers should be given for recycling.

Waste Code : used product  
080111\*, waste paint and varnish containing organic solvents or other dangerous substances

## SECTION 14: Transport information

### 14.1 UN number or ID number

ADN : UN 1263

ADR : UN 1263



# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



DE / EN

## DisboPUR 924 PHS Comp. A Sonderton

|         |                |             |                                 |
|---------|----------------|-------------|---------------------------------|
| Version | Revision Date: | SDS Number: | Date of last issue: 21.04.2021  |
| 2.1     | 19.05.2023     | 6007986     | Date of first issue: 10.12.2019 |

**RID** : UN 1263  
**IMDG** : UN 1263  
**IATA** : UN 1263

### 14.2 UN proper shipping name

**ADN** : PAINT  
**ADR** : PAINT  
**RID** : PAINT  
**IMDG** : PAINT  
**IATA** : Paint

### 14.3 Transport hazard class(es)

|             | Class | Subsidiary risks |
|-------------|-------|------------------|
| <b>ADN</b>  | : 3   |                  |
| <b>ADR</b>  | : 3   |                  |
| <b>RID</b>  | : 3   |                  |
| <b>IMDG</b> | : 3   |                  |
| <b>IATA</b> | : 3   |                  |

### 14.4 Packing group

**ADN**  
Packing group : III  
Classification Code : F1  
Hazard Identification Number : 30  
Labels : 3

**ADR**  
Packing group : III  
Classification Code : F1  
Hazard Identification Number : 30  
Labels : 3  
Tunnel restriction code : (D/E)

**RID**  
Packing group : III  
Classification Code : F1  
Hazard Identification Number : 30  
Labels : 3

**IMDG**  
Packing group : III  
Labels : 3  
EmS Code : F-E, S-E

**IATA (Cargo)**

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



DE / EN

## DisboPUR 924 PHS Comp. A Sonderton

|         |                |             |                                 |
|---------|----------------|-------------|---------------------------------|
| Version | Revision Date: | SDS Number: | Date of last issue: 21.04.2021  |
| 2.1     | 19.05.2023     | 6007986     | Date of first issue: 10.12.2019 |

Packing instruction (cargo aircraft) : 366  
Packing instruction (LQ) : Y344  
Packing group : III  
Labels : Flammable Liquids

### IATA (Passenger)

Packing instruction (passenger aircraft) : 355  
Packing instruction (LQ) : Y344  
Packing group : III  
Labels : Flammable Liquids

## 14.5 Environmental hazards

### ADN

Environmentally hazardous : no

### ADR

Environmentally hazardous : no

### RID

Environmentally hazardous : no

### IMDG

Marine pollutant : no

## 14.6 Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

## 14.7 Maritime transport in bulk according to IMO instruments

Not applicable for product as supplied.

## SECTION 15: Regulatory information

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII) : Conditions of restriction for the following entries should be considered: Number on list 3

REACH - Candidate List of Substances of Very High Concern for Authorization (Article 59). : hexahydromethylphthalic anhydride

REACH - List of substances subject to authorisation (Annex XIV) : None

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



DE / EN

## DisboPUR 924 PHS Comp. A Sonderton

|         |                |             |                                 |
|---------|----------------|-------------|---------------------------------|
| Version | Revision Date: | SDS Number: | Date of last issue: 21.04.2021  |
| 2.1     | 19.05.2023     | 6007986     | Date of first issue: 10.12.2019 |

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances. P5c FLAMMABLE LIQUIDS

Water hazard class (Germany) : WGK 2 obviously hazardous to water

Product code for laquers and paints / Giscode : PU50 PU systems, containing solvents, harmful, sensitising

. : PU50 PU systems, containing solvents, harmful, sensitising

Volatile organic compounds : < 14 %  
< 230 g/l

### Other regulations:

Take note of Law on the protection of mothers at work, in education and in studies (Maternity Protection Act - MuSchG).

Take note of Directive 94/33/EC on the protection of young people at work or stricter national regulations, where applicable.

## 15.2 Chemical Safety Assessment

A Chemical Safety Assessment is not required for this mixture.

## SECTION 16: Other information

### Full text of H-Statements

|        |  |
|--------|--|
| H226   | : Flammable liquid and vapor.  |
| H301   | : Toxic if swallowed.  |
| H304   | : May be fatal if swallowed and enters airways.                              |
| H312   | : Harmful in contact with skin.  |
| H314   | : Causes severe skin burns and eye damage.                                   |
| H315   | : Causes skin irritation.  |
| H317   | : May cause an allergic skin reaction.                                       |
| H318   | : Causes serious eye damage.   |
| H319   | : Causes serious eye irritation.   |
| H330   | : Fatal if inhaled.  |
| H332   | : Harmful if inhaled.  |
| H334   | : May cause allergy or asthma symptoms or breathing difficulties if inhaled. |
| H335   | : May cause respiratory irritation.  |
| H341   | : Suspected of causing genetic defects.                                      |
| H351   | : Suspected of causing cancer if inhaled.                                    |
| H360FD | : May damage fertility. May damage the unborn child.                         |
| H361f  | : Suspected of damaging fertility.   |
| H372   | : Causes damage to organs through prolonged or repeated                      |

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



DE / EN

## DisboPUR 924 PHS Comp. A Sonderton

|         |                |             |                                 |
|---------|----------------|-------------|---------------------------------|
| Version | Revision Date: | SDS Number: | Date of last issue: 21.04.2021  |
| 2.1     | 19.05.2023     | 6007986     | Date of first issue: 10.12.2019 |

H373 : exposure if swallowed.  
: May cause damage to organs through prolonged or repeated exposure.

H400 : Very toxic to aquatic life.  
H410 : Very toxic to aquatic life with long lasting effects.  
H411 : Toxic to aquatic life with long lasting effects.

### Full text of other abbreviations

Acute Tox. : Acute toxicity  
Aquatic Acute : Short-term (acute) aquatic hazard  
Aquatic Chronic : Long-term (chronic) aquatic hazard  
Asp. Tox. : Aspiration hazard  
Carc. : Carcinogenicity  
Eye Dam. : Serious eye damage  
Eye Irrit. : Eye irritation  
Flam. Liq. : Flammable liquids  
Muta. : Germ cell mutagenicity  
Repr. : Reproductive toxicity  
Resp. Sens. : Respiratory sensitization  
Skin Corr. : Skin corrosion  
Skin Irrit. : Skin irritation  
Skin Sens. : Skin sensitization  
STOT RE : Specific target organ toxicity - repeated exposure  
STOT SE : Specific target organ toxicity - single exposure  
2000/39/EC : Europe. Commission Directive 2000/39/EC establishing a first list of indicative occupational exposure limit values  
DE TRGS 527 : Germany. TRGS 527 - Activities with nanomaterials  
DE TRGS 900 : Germany. TRGS 900 - Occupational exposure limit values.  
TRGS 903 : TRGS 903 - Biological limit values  
2000/39/EC / TWA : Limit Value - eight hours  
2000/39/EC / STEL : Short term exposure limit  
DE TRGS 527 / BM : Assessment scale  
DE TRGS 900 / AGW : Time Weighted Average

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

### Further information

#### Other information:

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



DE / EN

## DisboPUR 924 PHS Comp. A Sonderton

|         |                |             |                                 |
|---------|----------------|-------------|---------------------------------|
| Version | Revision Date: | SDS Number: | Date of last issue: 21.04.2021  |
| 2.1     | 19.05.2023     | 6007986     | Date of first issue: 10.12.2019 |

No exposure scenario communication is required for this product according to REACH Regulation No. 1907/2006 EC.

Communication of Uses is not required in accordance with REACH Article 31(1)(a) - registered substances / mixtures do not meet the criteria for classification as hazardous in accordance with Regulations 1272/2008 EC or 1999/45/EC.

### Sources of key data used to compile the Material Safety Data Sheet:

ECHA WebSite

ACGIH (American Conference of Government Industrial Hygienists). 2014 TLVs and BEIs.

Threshold Limit Values (TLVs) for chemical substances and physical agents and Biological Exposure Indices (BEIs) with Seventh Edition documentation. 2014 ACGIH, Cincinnati OH

NIOSH - Registry of toxic effects of chemical substances

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities

SAX'S - Dangerous properties of industrial materials

GESTIS - Database on hazardous substances - Institut für Arbeitsschutz der Deutschen Gesetzlichen Unfallversicherung (IFA, Institute for Occupational Safety and Health of the German Social Accident Insurance)

Toxnet - Toxicology Data Network

### Classification of the mixture:

|                   |      |
|-------------------|------|
| Flam. Liq. 3      | H226 |
| Skin Irrit. 2     | H315 |
| Eye Irrit. 2      | H319 |
| Skin Sens. 1      | H317 |
| STOT RE 2         | H373 |
| Aquatic Chronic 3 | H412 |

### Classification procedure:

|                                     |
|-------------------------------------|
| Based on product data or assessment |
| Calculation method                  |
| Calculation method                  |
| Calculation method                  |
| Calculation method                  |
| Calculation method                  |
| Calculation method                  |

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 a 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.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



DE / EN

## DisboPUR 924 PHS Comp. A Sonderton

|         |                |             |                                 |
|---------|----------------|-------------|---------------------------------|
| Version | Revision Date: | SDS Number: | Date of last issue: 21.04.2021  |
| 2.1     | 19.05.2023     | 6007986     | Date of first issue: 10.12.2019 |

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### REACH Information

According to our legal obligation we implement the Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH). We will adjust and update our safety data sheets on a regular base in accordance with the information of our up-stream-suppliers. As usual we will inform you about the adjustments.

Regarding to the REACH regulation we would like to point out that DAW as a downstream user will not register on behalf of our company. We will rely on information from our suppliers. As soon as new information is available our safety data sheets will be amended accordingly.

DE / EN