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**1 Identification of the substance/preparation and of the company/undertaking****· Product details****· Trade name:** *Supron® U 5348***· Article number:** *095410***· Application of the substance / the preparation** *Coating material***· Manufacturer/Supplier:***Weserland GmbH**P.O. Box 21 04 80, 30404 Hannover (Germany)**Hansastraße 9 - 17, 30419 Hannover (Germany)**phone: +49 (0)511 / 97997-0 / fax: +49 (0)511 / 97997-70**e-mail: info@weserland.eu**www.weserland.eu***· Further information obtainable from:***Quality / environment department, Mr. Ehrle, email: ehrle@weserland.eu***· Information in case of emergency:***Due operating hours**Dept. Quality/Environment**Phon +49 511 97997-36**or Phon +49 511 97997-0***2 Hazards identification****· Hazard description:** *Not applicable.***· Information concerning particular hazards for human and environment:** *Not applicable.***3 Composition/information on ingredients****· Chemical characterization:****· CAS No. Description***Preparation**Aqueous Polyurethane dispersion without free isocyanate groups.***· Identification number(s)** *No data available.***· Chemical characterization****· Dangerous components:****· CAS NO. Description***121-44-8 Triethylamine**(neutralized)***% Index R-phrases***< 2,5 F,C 11-20/21/22-35***4 First aid measures****· General information:** *Immediately remove any clothing soiled by the product.***· After inhalation:** *Supply fresh air; consult doctor in case of complaints.***· After skin contact:** *Immediately wash with water and soap and rinse thoroughly.***· After eye contact:** *Rinse opened eye for several minutes under running water.***· After swallowing:** *Drink plenty of water and provide fresh air. Call for a doctor immediately.***5 Fire-fighting measures****· Suitable extinguishing agents:***CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.***· Protective equipment:** *No special measures required.*

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### 6 Accidental release measures

- **Person-related safety precautions:** Wear protective clothing.
- **Measures for environmental protection:**  
Dilute with plenty of water.  
Do not allow to enter sewers/ surface or ground water.
- **Measures for cleaning/collecting:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- **Additional information:** No dangerous substances are released.

### 7 Handling and storage

- **Handling:**
- **Information for safe handling:** No special measures required.
- **Information about fire - and explosion protection:** No special measures required.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store only in the original receptacle.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**  
Store dry and cool, protect from frost.  
+5 - +30°C

### 8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.

- **Ingredients with limit values that require monitoring at the workplace:**

**121-44-8 triethylamine (1.1%)**

|     |  |
|-----|--|
| WEL | Short-term value: 17 mg/m <sup>3</sup> , 4 ppm |
|     | Long-term value: 8 mg/m <sup>3</sup> , 2 ppm   |
|     | Sk   |

- **Personal protective equipment:**
- **General protective and hygienic measures:**  
The usual precautionary measures are to be adhered to when handling chemicals.
- **Respiratory protection:**  
In case of dusts/vapours/aerosols being formed or if the limit values like TLV are exceeded: use respiratory equipment with suitable filter (filter type AX) or wear a self contained respiratory apparatus.
- **Protection of hands:**  
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.  
Rubber gloves
- **Material of gloves (EN 374)**
- **Penetration time of glove material**  
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:**  
Goggles recommended during refilling  
Tightly sealed goggles  
(EN 166)
- **Body protection:**  
Protective work clothing  
(EN 344)

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## 9 Physical and chemical properties

### · General Information

|                |            |
|----------------|------------|
| <b>Form:</b>   | Fluid      |
| <b>Colour:</b> | White      |
|                | Yellowish  |
| <b>Odour:</b>  | Amine-like |

### · Change in condition

|                                     |         |
|-------------------------------------|---------|
| <b>Melting point/Melting range:</b> | ~ 0°C   |
| <b>Boiling point/Boiling range:</b> | ~ 100°C |

· **Flash point:** Not applicable.

· **Danger of explosion:** Product does not present an explosion hazard.

· **Vapour pressure at 20°C:** 23 hPa

· **Density at 20°C:** ~ 1.0 g/cm<sup>3</sup>

· **Solubility in / Miscibility with water:** Fully miscible.

· **pH-value at 20°C:** 7 - 8

### · Viscosity:

|                          |            |
|--------------------------|------------|
| <b>Dynamic at 20°C:</b>  | < 500 mPas |
| <b>Organic solvents:</b> | 0.0 %      |

## 10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Dangerous reactions** No dangerous reactions known.
- **Dangerous decomposition products:**  
With further heating CO, CO<sub>2</sub>, nitrogen oxides, aliphatic fragments and possibly HCN;  
not valid for normal manufacturing.

## 11 Toxicological information

- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** No data available.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**  
When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.  
The substance is not subject to classification according to the latest version of the EU lists.

## 12 Ecological information

- **General notes:**  
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water  
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

## 13 Disposal considerations

- **Product:**
- **Recommendation** Smaller quantities can be disposed of with household waste.

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- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

### 14 Transport information

- **Land transport ADR/RID (cross-border)**
- **ADR/RID class:** -

- **Maritime transport IMDG:**
- **IMDG Class:** -
- **Marine pollutant:** No

- **Air transport ICAO-TI and IATA-DGR:**
- **ICAO/IATA Class:** -

- **Transport/Additional information:** Not dangerous according to the above specifications.

### 15 Regulatory information

- **Labelling according to EU guidelines:**  
The substance is not subject to classification according to EU lists and other sources of literature known to us.  
Observe the general safety regulations when handling chemicals.
- **Safety phrases:**  
36/37 Wear suitable protective clothing and gloves.

### 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant R-phrases:

R 11 Highly flammable.

R 20/21/22 Harmful by inhalation, in contact with skin and if swallowed.

R 35 Causes severe burns.

- **Department issuing MSDS:** Quality / env. dept.
- **Contact:** Mr. Ehrle, email [ehrle@weserland.eu](mailto:ehrle@weserland.eu)