

## Product: Polyton W940

Print Date:

Revision on: 15.06.2001

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### 1 IDENTIFICATION OF SUBSTANCE

- Product details
- Trade name: Polyton W940
- Article number: 1010210
- Manufacturer/Supplier:  
DLH-LEDERTECHNIK GmbH  
Floridsdorfer Hauptstr. 29  
A-1210 Vienna/Austria  
Phone: +43-1-278 13 57  
Fax: +43-1-278 13 57-9  
e-mail: dlh@dlh.at
- Informing department: Product Safety Department

### 2 COMPOSITION/DATA ON COMPONENTS:

- Chemical characterisation  
Aqueous polyurethane dispersion without free isocyanate groups.

Hazardous ingredients:

<u>Identification</u>	<u>CAS Nr.</u>	<u>%</u>	<u>Symb.</u>	<u>R-Phrases</u>
Triethylamine ( in neutralized form)	121-44-8	1,2	F,C	11, 20/21/22, 35
N-Methyl-2-pyrrolidone	872-50-4	1,9	Xi	36/38

### 3 HAZARDS IDENTIFICATION

none

### 4 FIRST AID MEASURES

- General information: Change contaminated clothing.
- Inhalation: ---
- Skin contact: Wash with water and soap.
- Eye contact: Rinse eyes with large amount of water at least 15 minutes.
- Ingestion: Drink large amounts of water, do not induce vomiting, contact physician.

### 5 FIRE FIGHTING MEASURES

- Fire extinguishing media: Foam, CO2, dry powder, watermist
- not to be used: ---
- Special Protective Clothing: no special

### 6 ACCIDENTAL RELEASE MEASURES

- Personal precautions:  
Change contaminated clothing.
- Environmental precautions:  
Do not introduce in waterways or ground water.
- Methods of cleaning up/Absorption:  
Pump large amounts away, clean small amounts with water. Dispose of soiled water as to regulations. Absorb residue with sand, Kieselgur or similar.
- Further information:  
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### 7 HANDLING AND STORAGE

- Handling:
- Information of Safe Handling:  
Wash hands before breaks and leaving off work.
- Information of Fire- and Explosion Protection:  
Normally no special requirements. At fire and explosion endangerment cool containers with water.

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- Storage:
- Requirements for Storage Rooms and packaging Materials:  
Stainless-steel containers (tanks) or polypropylene barrels.
- Storage accumulation: none
- Further Information on Storage Requirements:  
Coagulates under zero degrees. Protect against frost and intensive heating. Keep container closed.

### **8 EXPOSURE CONTROLS AND PERSONAL PROTECTION**

- Engineering Measures: Production vessels that contact product of stainless-stell
- Ingredients with threshold limit values:

Cas-No.	Identification of material	%	Type	Value
121-44-8	Triethylamine (in neutralized form)	1,2	MAK	8 mg/m <sup>3</sup>
872-50-4	N-Methyl-2-pyrrolidone	1,9	MAK	80 mg/m <sup>3</sup>
- Personal protection:
- General protection: Normal washing or showering. Keep working cloth separated from normal clothing.
- Respiratory protection: Breathing filter at longer contact.
- Hand protection: Protective gloves at longer contact.
- Eye protection: Protective goggles at longer contact.

### **9 PHYSICAL AND CHEMICAL PROPERTIES:**

- Form: liquid
- Colour: white - slightly yellow
- Odour: slightly like amine
- Change in physical state:

Melting point:	about 0 °C
Boiling point:	about 100 °C
- Density: 20°C 1,06 g/cm<sup>3</sup> DIN 51757
- Vapour pressure: 20°C 23 mbar
- Viscosity: 20°C 20-200 mPas Brookfield
- Solubility in water: Practically in every proportion miscible
- pH-value: at 20°C 7,5 – 9,5
- Flash point: --- °C
- Flammability: --- °C
- Explosion limit:

lower:	--- Vol%
upper:	--- Vol%
- Amount of solvent: N-Methyl-2-pyrrolidone: 1,9%
- Further information: ---

### **10 STABILITY AND REACTIVITY**

- Conditions to avoid: At 100°C phase separation, possible coagulation.
- Materials to avoid: Avoid contact with water reactive products.
- Hazards decomposition products:  
With further heating CO, CO<sub>2</sub>, nitrogen oxides, aliphatic fragments and possibly HCN; not valid for normal manufacturing

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### 11 TOXICOLOGICAL INFORMATION

- Acute toxicity (LD50/LC50):

U325	oral	>2.000 mg/kg	rat
Triethylamine (in neutralized form)	oral	460 mg/kg	rat
	dermal	570 mg/kg	rabbit
	inhalativ	1.000 ppm/4h	rat
N-Methyl-2-pyrrolidone	oral	3.914 mg/kg	rat
	dermal	8.000 mg/kg	rabbit
	inhalativ	>5,1 mg/15min.	rat
- Skin contact: At longer contact possible
- Eye contact: At longer contact possible
- Sensitation: ---

### 12 ECOLOGICAL INFORMATION:

- Comment:

Do not allow immersion in ground water or waterways. It can be eliminated from soiled water with chemical media such as flocculation precipitant.
- Ecotoxicity:
- Aquatic Toxicity: Fish toxicity LC50: >500 mg/kg
- Behaviour in Purification Plants: Bacteria toxicity EC0: >100.000 mg/kg

### 13 DISPOSAL CONSIDERATIONS

- Product:
- Recommantation:

Special treatment should be carried our in compliance with federal, state and local regulations (suitable incineration plants)
- Disposal code number: 070 299
- Soiled Packaging:
- Recommantation: clean with water
- Recommended Cleansing Agent: water

### 14 TRANSPORT INFORMATION

- RID/ADR:
- IATA:
- IMO:

### 15 REGULATORY INFORMATION

- Symbol:
- Contain:
- R-phrases:
- S-phrases:
- Water hazard class:

Class 1 (self-assessment): slightly hazardous for water

### 16 FURTHER INFORMATION:

This information is based on our present level of knowledge and relates to the product in the state in which it is delivered and does not guarantee any particular properties. This safety data sheet is drawn up by electronic data processing and is valid without signature.