

**Material Safety Data Sheet**  
According to 91/155 EC

Printing date 08.07.94

Reviewed on 12.08.93

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**1 Identification of substance**

- Product details
- Trade name PRENOFIX 62/10
- Article number: 62/10
- Manufacturer/Supplier:  
Tivoli-Werke AG  
Reichsbahnstraße 99  
22525 Hamburg  
Tel.: 040 540 02-0
- Informing department: Abteilung Sicherheit, DW 238
- Emergency information:  
During normal opening times: environment protection department

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**2 Composition/Data on components:**

- Chemical characterization
- Description: Solvent Based Adhesive

- Dangerous components:

<u>CAS NO.</u>	<u>Designation</u>	<u>%</u>	<u>Index</u>	<u>R-phrases</u>
108-88-3	toluene	20,5	Xn F	11-20

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**3 Hazards identification**

- Hazard designation:  
Xn Harmful  
F Highly flammable
- Information pertaining to particular dangers for man and environment  
R 11 Highly flammable.  
R 18 In use, may form flammable/explosive vapour-air mixture.  
R 20 Harmful by inhalation.
- Classification system  
The classification is in line with current EC lists. It is expanded,  
however, by information from technical literature and by information  
furnished by supplier companies.

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**4 First aid measures**

- General information  
Instantly remove any clothing soiled by the product.
- After inhalation Supply fresh air.
- After skin contact  
Instantly wash with water and soap and rinse thoroughly.
- After eye contact  
Rinse opened eye for several minutes under running water. Then consult  
doctor.

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- Requirements to be met by storerooms and containers:  
Store in cool location.  
none
- Information about storage in one common storage facility: Not required.
- Further information about storage conditions: None.
- Storage class
- Class according to regulation on inflammable liquids: A I

#### 8 Exposure controls and personal protection

- Additional information about design of technical systems:  
No further data; see item 7.
- Components with critical values that require monitoring at the workplace:

CAS No.	Designation of material	%	Type	Value	Unit
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.					
- Additional information:  
The lists that were valid during the compilation were used as basis.
- Personal protective equipment
- General protective and hygienic measures  
Keep away from foodstuffs, beverages and food.  
Instantly remove any soiled and impregnated garments.  
Wash hands during breaks and at the end of the work.
- Breathing equipment:  
Use breathing protection in case of insufficient ventilation.
- Protection of hands: Protective gloves and protective skin cream.
- Eye protection: Safety glasses recommended during refilling.

#### Physical and chemical properties:

- Form: Fluid
- Colour: Light yellow
- Smell: Characteristic

	Value/Range	Unit	Method
Change in condition	Not determined		
Melting point/Melting range:	56 ° C		
Boiling point/Boiling range:	-30 ° C		
Flash point:	260 ° C		
Ignition temperature:	Product is not selfigniting.		

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- **Danger of explosion:**  
Product is not explosive. However, formation of explosive air/steam mixtures is possible.  
In use, may form flammable/explosive vapour-air mixture.
- **Critical values for explosion:**
  - Lower: 1,1 Vol %
  - Upper: 16,0 Vol %
- **Steam pressure:** at 20 ° C 220 mbar
- **Density** at 20 ° C 0,8 g/cm3
- **Solubility in / Miscibility with**
- **Water:** Not miscible or difficult to mix
- **Viscosity:**
- **dynamic:** at 20 ° C 735 mPas
- **Solvent content:**
- **Organic solvents:** 81,0 %
- **Water:** 0,0 %
- **Solids content:** 19,0 %

#### 10 Stability and reactivity

- **Conditions to be avoided:**  
No decomposition if used according to specifications.
- **Dangerous products of composition:** Hydrochloric acid
- **Additional information:** none

#### 11 Toxicological information

- **Acute toxicity:**
- **LD/LC50 values that are relevant for classification:**

Components	Type	Value	Species
toluene	oral	5000 mg/kg	rat
	dermal	12124 mg/kg	rab
	inhalative	5320 mg/l/4h	mus
- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** Irritant effect.
- **Sensitization:** No sensitizing effect known.

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Additional toxicological information:

The product shows the following dangers according to the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version:

Harmful

2 Ecological information:

General notes:

Water hazard class 2 (Self-assessment): hazardous for water.

Do not allow product to reach ground water, water bodies or sewage system.

Disposal considerations

Product:

Recommendation

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

Waste disposal key number: 55905

Uncleaned packagings:

Recommendation:

Disposal must be made according to official regulations.

4 Transport information

Land transport ADR/RID and GGVS/GGVE (cross-border/domestic)

ADR/RID-GGVS/E Class: 3 Inflammable liquids

Number/Letter: 5 b

UN-Number: 1133

Maritime transport IMDG/GGVSea:

MDG/GGVSea Class: 3.1

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UN Number: 1133

Packaging group: II

EMS Number: 3-05

MFAG: 330

Air transport ICAO-TI and IATA-DGR:

ICAO/IATA Class: 3

UN/ID Number: 1133

Packaging group: II

5 Regulatory information

Designation according to EC guidelines: