

## Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 16.01.2008

Revision: 16.01.2008

### 1 Identification of the substance/preparation and of the company/undertaking

- **Product details**

- **Trade name: 671 Noviweld**

- **Article number: 671**

- **Application of the substance / preparation** *Welding paste for vinyl based floorcovering*

- **Manufacturer/Supplier:**

*Forbo Eurocol B.V.*

*Industrieweg 1-2*

*NL-1521 NA Wormerveer Holland*

*Tel. +31 75 6271600 - Fax +31 75 6283564*

*E-mail address: info@eurocol.nl*

*Website: www.eurocol.com*

- **Information in case of emergency:**

*In case of emergency please contact the Dutch National Poison Control, telephone number: 0031-(0)30-2748888. (This number is only accessible to the physician treating the patient and only in case of accidental poisoning).*

### 2 Hazards identification

- **Hazard description:**

*Xi Irritant*

*F Highly flammable*

- **Information concerning particular hazards for persons and the environment:**

*The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.*

*R 11 Highly flammable.*

*R 19 May form explosive peroxides.*

*R 36/37 Irritating to eyes and respiratory system.*

- **Classification system:**

*The classification is according to the latest editions of the EU-lists, and extended by company and literature data.*

### 3 Composition/information on ingredients



- **Chemical characterization**

- **Description:** *Solution of PVC in solvents*

- **Dangerous components:**

*CAS: 109-99-9*

*tetrahydrofuran*

 *Xi*,  *F*; *R 11-19-36/37* >50-100%

*EINECS: 203-726-8*

- **Additional information:** *For the wording of the listed risk phrases refer to section 16.*

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## 4 First-aid measures

- **General information:**

*Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.*

- **After inhalation:**

*Supply fresh air and to be sure call for a doctor.*

*In case of unconsciousness place patient stably in side/recovery position for transportation.*

- **After skin contact:**

*Wash with water and soap.*

*If skin irritation continues, consult a doctor.*

- **After eye contact:** *Rinse opened eye for several minutes under running water. Then consult a doctor.*

- **After swallowing:** *Do not induce vomiting; call for medical help immediately.*

## 5 Fire-fighting measures

- **Suitable extinguishing agents:** *CO<sub>2</sub>, sand, extinguishing powder. Do not use water.*

- **For safety reasons unsuitable extinguishing agents:** *Water*

- **Protective equipment:** *Wear self-contained respiratory protective device.*

## 6 Accidental release measures

- **Person-related safety precautions:**

*Wear protective equipment. Keep unprotected persons away.*

*Ensure adequate ventilation*

- **Measures for environmental protection:**

*Do not allow product to reach sewage system or any water course.*

- **Measures for cleaning/collecting:**

*Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).*

## 7 Handling and storage

- **Handling:**

- **Information for safe handling:**

*Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air).*

- **Information about fire - and explosion protection:**

*Keep ignition sources away - Do not smoke.*

*Protect against electrostatic charges.*

- **Storage:**

- **Requirements to be met by storerooms and receptacles:** *Store in a cool location.*

- **Information about storage in one common storage facility:** *Store away from foodstuffs.*

- **Further information about storage conditions:** *Keep container tightly sealed.*

## 8 Exposure controls/personal protection

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

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**Ingredients with limit values that require monitoring at the workplace:**
**109-99-9 tetrahydrofuran**

WEL	Short-term value: 300 mg/m <sup>3</sup> , 100 ppm
	Long-term value: 150 mg/m <sup>3</sup> , 50 ppm
	Sk

· **Additional information:** *The lists valid during manufacture were used as basis.*

· **Personal protective equipment:**

· **General protective and hygienic measures:**

*The usual precautionary measures are to be adhered to when handling chemicals.*

*Keep away from foodstuffs, beverages and feed.*

*Immediately remove all soiled and contaminated clothing*

*Avoid contact with the eyes and skin.*

· **Respiratory protection:**

*In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.*

*Use suitable respiratory protective device in case of insufficient ventilation.*

· **Protection of hands:**

*The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.*

*Selection of the glove material is dependant on the penetration times, rates of diffusion and degradation.*

· **Material of gloves**

*The selection of suitable gloves does not only depend on the material, but also on further aspects of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.*

· **Penetration time of glove material**

*The exact break through time has to be established by the manufacturer of the protective gloves and has to be observed.*

· **For prolonged contact gloves made of the following materials are suitable:** PVA gloves

· **Eye protection:**



*Tightly sealed goggles*

## 9 Physical and chemical properties

· **General Information**

<b>Form:</b>	Paste
<b>Colour:</b>	Beige
<b>Odour:</b>	Characteristic

· **Change in condition**

**Melting point/Melting range:** *Undetermined.*

**Boiling point/Boiling range:** *ca. 66 °C*

· **Flash point:** *-21 °C*

· **Ignition temperature:** *215 °C*

· **Self-igniting:** *Product is not self-igniting.*

· **Danger of explosion:** *May form explosive peroxides.*

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· <b>Explosion limits:</b>	
Lower:	1.5 Vol %
Upper:	12.0 Vol %
· <b>Vapour pressure at 20°C:</b>	200 hPa
· <b>Density at 20°C:</b>	0.95 g/cm <sup>3</sup>
· <b>Solubility in / Miscibility with water:</b>	Not miscible or difficult to mix.
· <b>Solvent content:</b>	
Organic solvents:	89 %

## 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:** No dangerous decomposition products known.

## 11 Toxicological information

- **Acute toxicity:**

- **LD/LC50 values relevant for classification:**

**109-99-9 tetrahydrofuran**

Oral	LD50	2500 mg/kg (rat)
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- **Primary irritant effect:**

- **on the skin:** Possible irritation with prolonged or frequent contact.
- **on the eye:** Irritating effect.

- **Sensitization:** No sensitizing effects known.

- **Additional toxicological information:**

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

## 12 Ecological information

- **General notes:**

Do not allow product to reach ground water, water course or sewage system, even in small quantities.  
According to the criteria of the EU-classification and labelling "dangerous for environment"(93/21/EWG) the substance/ the product has to be classified as non-hazardous for the environment.

## 13 Disposal considerations

- **Product:**

- **Recommendation**

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

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- **Uncleaned packaging:**
- **Recommendation:** *Disposal must be made according to official regulations.*

## 14 Transport information

- Land transport ADR/RID (cross-border)



- **ADR/RID class:** 3 *Flammable liquids.*
- **Danger code (Kemler):** 33
- **UN-Number:** 1133
- **Packaging group:** II
- **Hazard label** 3
- **Description of goods:** 1133 ADHESIVES (vapor pressure at 50 °C at most 110 kPa)

- Maritime transport IMDG:



- **IMDG Class:** 3
- **UN Number:** 1133
- **Label** 3
- **Packaging group:** II
- **EMS Number:** F-E,S-D
- **Marine pollutant:** Yes
- **Proper shipping name:** ADHESIVES

- Air transport ICAO-TI and IATA-DGR:



- **ICAO/IATA Class:** 3
- **UN/ID Number:** 1133
- **Label** 3
- **Packaging group:** II
- **Proper shipping name:** ADHESIVES

- **Transport/Additional information:** *Not classified as hazardous under transport regulations.*

## 15 Regulatory information

- **Labelling according to EU guidelines:**  
*The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.*

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## · Code letter and hazard designation of product:



*Xi Irritant*  
*F Highly flammable*

## · Risk phrases:

11 *Highly flammable.*  
19 *May form explosive peroxides.*  
36/37 *Irritating to eyes and respiratory system.*

## · Safety phrases:

2 *Keep out of the reach of children.*  
9 *Keep container in a well-ventilated place.*  
16 *Keep away from sources of ignition - No smoking.*  
26 *In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.*  
29 *Do not empty into drains.*  
33 *Take precautionary measures against static discharges.*

## · National regulations:

## · Technical instructions (air):

Class	Share in %
NK	75.0

· **Waterhazard class:** *Water hazard class 1 (Self-assessment): slightly hazardous for water.*

## 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

11 *Highly flammable.*  
19 *May form explosive peroxides.*  
36/37 *Irritating to eyes and respiratory system.*

· **Department issuing MSDS:** *R&D department*

· **Contact:** *ing. T.W. Breeuwer*

· \* **Data compared to the previous version altered.**