

## OMNISEAL 1K PUR WHITE

SDS no. : 180161

V001.0

Revision: 09.03.2005

printing date: 27.05.2005

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

**Trade name:**

OMNISEAL 1K PUR WHITE

**Intended use:**

1-Component sealant

**Company name:**

Henkel Teroson GmbH  
69112 Heidelberg  
Phone: +4962217040  
Fax-no.: +496221705242

**Emergency information:**

In case of an emergency information will be available 24h under phone +49-(0)6221-7040

**Information office (content SDS):**

Product safety / TECO, Tel: +49-(0)6221-7040 Fax: +49-(0)6221-704698

### 2. Composition / information on ingredients

**General chemical description:**

1-Component moisture-curing sealant

**Base substances of preparation:**

PUR polymer

**Declaration of ingredients:**

< 5 %	Xylene - mixture of isomeres
	EINECS 215-535-7
	CAS 1330-20-7
	Symbol Xn
	R-phrases R10, R20/21, R38
< 1 %	4,4'-methylenediphenyl diisocyanate
	EINECS 202-966-0
	CAS 101-68-8
	Symbol Xn
	R-phrases R20, R36/37/38, R42/43



**Technologies**  
Industrial Adhesives

---

< 15 %	Isoparaffins C9-12 flash point > 55°C
EINECS	292-459-0
CAS	90622-57-4
Symbol	Xn
R-phrases	R65, R66

---

### 3. Hazards identification

R42 May cause sensitization by inhalation.  
Persons suffering from allergic reactions to isocyanates should avoid contact with the product.

---

### 4. First-aid measures

**After inhalation:**

Fresh air, consult doctor if complaint persist.

**After skin contact:**

Rinse with running water and soap. Skin care. Change all contaminated clothing.

**After eye contact:**

First remove splashes carefully with eye swabs

Wash with plenty of water immediately and continue for several minutes, holding eyelid open. Consult a doctor.

**After ingestion:**

Seek medical advice immediately and show this container or label.

---

### 5. Fire-fighting measures

**Suitable extinguishing media:**

All common extinguishing agents are suitable.

**Special protection equipment for fire-fighters:**

Wear self-contained breathing apparatus.

Wear protective equipment.

**Hazardous combustion products:**

Isocyanate vapors

---

### 6. Accidental release measures

**Personal precautions:**

Avoid contact with skin and eyes.

If vapors are generated, wear suitable respiratory equipment.

Wear protective equipment.

Keep unprotected persons away.

**Environmental precautions:**

Do not empty into drains / surface water / ground water.

**Process for cleaning and take-up:**

Neutralise any spillages with a mixture of alcohol, water and wetting agent, if necessary adding 1% ammonia relative to the isocyanate groups.

**7. Handling and storage****Handling:**

Ensure good ventilation/suction at the workplace.  
Avoid skin and eye contact.

**Storage:**

Store in sealed original container protected against moisture.  
Store in a cool, dry place.  
Container must be made airtight after use.  
Storage at 15 to 25°C is recommended.

**8. Exposure controls / personal protection****Components with specific control parameters for workplace:**

Valid for

Great Britain

Basis

Occupational Exposure Limits

Ingredient	ppm	mg/m <sup>3</sup>	Type	Category	Remarks
4,4'-methylenediphenyl diisocyanate; diphenylmethane-4,4'-diisocyanate		0.02	EU - Time Weighted Average (TWA).		
4,4'-methylenediphenyl diisocyanate; diphenylmethane-4,4'-diisocyanate		0.07	EU - Short Term Exposure Limit (STEL):		
4,4'-methylenediphenyl diisocyanate; diphenylmethane-4,4'-diisocyanate					Listed.
xylene	50	220	EU - Time Weighted Average (TWA).		
xylene	100	441	EU - Short Term Exposure Limit (STEL):		
xylene			Skin designation:		Can be absorbed through the skin.
xylene	50	221	EU - Time Weighted Average (TWA).		
xylene	100	442	EU - Short Term Exposure Limit (STEL):		
xylene			Skin designation:		Can be absorbed through the skin.
xylene					Listed.



**Technologies**  
Industrial Adhesives

**Hand protection:**

Chemical-resistant protective gloves (EN 374). Suitable materials for short-term contact or splashes (recommended: at least protection index 2, corresponding to > 30 minutes permeation time as per EN 374): Isobutylene-isoprene rubber (IIR;  $\geq 0.7$  mm thickness) Suitable materials for longer, direct contact (recommended: protection index 6, corresponding to > 480 minutes permeation time as per EN 374): Isobutylene-isoprene rubber (IIR;  $\geq 0.7$  mm thickness) This information is based on literature references and on information provided by glove manufacturers, or is derived by analogy with similar substances. Please note that in practice the working life of chemical-resistant protective gloves may be considerably shorter than the permeation time determined in accordance with EN 374 as a result of the many influencing factors (e.g. temperature). If signs of wear and tear are noticed then the gloves should be replaced.

**Eye protection:**

Wear tightly fitting goggles.

**Body protection:**

suitable protective clothing

**General protection and hygiene measures:**

S.20/21 When using do not eat, drink or smoke. S.27 Take off immediately all contaminated clothes. Wash hands with soap and water on completion of work and before breaks.

---

## 9. Physical and chemical properties

**General characteristics**

State:	pasty
Odor:	of solvent
Color(s):	white

**Phys./chem. properties:**

Density (20 °C)	1,17 g/cm <sup>3</sup>
Solubility (qualitative) (Solvent: water)	insoluble
Solubility (qualitative) (Solvent: water)	Reaction with water.
Explosion limit lower [vol%]	0,4 % (V)
upper [vol%]	7,6 % (V)

---

## 10. Stability and reactivity

**Conditions to avoid:**

Temperatures over appr. 250 °C  
Avoid moisture.

**Materials to avoid:**

Reacts with water: Pressure built up in closed vessel (CO<sub>2</sub>).



**Dangerous decomposition products:**

At higher temperatures isocyanate may be released.

Carbon dioxide is generated under contact with moisture, leading to pressure in the cans. Danger of cans bursting!

---

## 11. Toxicological information

**General toxicological information:**

The present product is a chemical preparation within the meaning of the chemicals act. The following evaluation has been made on the basis of the toxicological data and content by weight of the individual ingredients. Persons suffering from allergic reactions to isocyanates should avoid contact with the product.

**Sensitizing:**

May cause sensitization by inhalation.

---

## 12. Ecological information

**General ecological information:**

Do not empty into drains, soil or bodies of water.

---

## 13. Disposal considerations

**Waste code(EWC):**

080409

080410 (after hardening)

**Product disposal:**

The valid EWC waste code numbers are source-related. The manufacturer is therefore unable to specify EWC waste codes for the articles or products used in the various sectors. The EWC codes listed are intended as a recommendation for users. We will be happy to advise you.

Small amounts of cured or dried product residues can be disposed of as household waste or as industrial waste similar to household waste.

Special waste incineration or special disposal with the approval of the responsible local authority.

---

## 14. Transport information

**General information:**

Not hazardous according to RID, ADR, ADNR, IMDG, IATA-DGR.

---

---

## 15. Regulations - classification and identification

**Symbols of danger:**

Xn - Harmful

**Hazard trigger:**

Diphenylmethane diisocyanate 4,4'-

**R-phrases**

R42 May cause sensitization by inhalation.

**S-phrases :**

S23 Do not breathe vapour.

S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

S28 After contact with skin, wash immediately with plenty of water.

S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

**Special declaration:**

Contains isocyanates. Observe manufacturer's instructions!

**National regulations/information:**

VOCV 814.018 VOC regulation CH 6 %

---

## 16. Other information

Full text of the R-phrases indicated by codes in this safety data sheet. The product code/identification/designation is indicated in Section 15.

R10 Flammable.

R20 Harmful by inhalation.

R20/21 Harmful by inhalation and in contact with skin.

R36/37/38 Irritating to eyes, respiratory system and skin.

R38 Irritating to skin.

R42/43 May cause sensitization by inhalation and skin contact.

R65 Harmful: may cause lung damage if swallowed.

R66 Repeated exposure may cause skin dryness or cracking.

**Further information:**

This information is based on our current level of knowledge and relates to the product in the state in which it is delivered. It is intended to describe our products from the point of view of safety requirements and is not intended to guarantee any particular properties.



**Technologies**  
Industrial Adhesives

**OMNISEAL 1K PUR BLACK**

SDS no. : 180162

V001.0

Revision: 09.03.2005

printing date: 27.05.2005

**1. Identification of the substance/preparation and of the company/undertaking**

**Trade name:**

OMNISEAL 1K PUR BLACK

**Intended use:**

1-Component sealant

**Company name:**

Henkel Teroson GmbH

69112 Heidelberg

Phone: +4962217040

Fax-no.: +496221705242

**Emergency information:**

In case of an emergency information will be available 24h under phone +49-(0)6221-7040

**Information office (content SDS):**

Product safety / TECO, Tel: +49-(0)6221-7040 Fax: +49-(0)6221-704698

**2. Composition / information on ingredients**

**General chemical description:**

1-Component moisture-curing sealant

**Base substances of preparation:**

PUR polymer

**Declaration of ingredients:**

< 5 %	Xylene - mixture of isomeres
	EINECS 215-535-7
	CAS 1330-20-7
	Symbol Xn
	R-phrases R10, R20/21, R38
< 1 %	4,4'- methylenediphenyl diisocyanate
	EINECS 202-966-0
	CAS 101-68-8
	Symbol Xn
	R-phrases R20, R36/37/38, R42/43
< 15 %	Isoparaffins C9-12 flash point > 55°C
	EINECS 292-459-0
	CAS 90622-57-4
	Symbol Xn
	R-phrases R65, R66

### 3. Hazards identification

R42 May cause sensitization by inhalation.

Persons suffering from allergic reactions to isocyanates should avoid contact with the product.

---

### 4. First-aid measures

**After inhalation:**

Fresh air, consult doctor if complaint persist.

**After skin contact:**

Rinse with running water and soap. Skin care. Change all contaminated clothing.

**After eye contact:**

First remove splashes carefully with eye swabs

Wash with plenty of water immediately and continue for several minutes, holding eyelid open. Consult a doctor.

**After ingestion:**

Seek medical advice immediately and show this container or label.

---

### 5. Fire-fighting measures

**Suitable extinguishing media:**

All common extinguishing agents are suitable.

**Special protection equipment for fire-fighters:**

Wear self-contained breathing apparatus.

Wear protective equipment.

**Hazardous combustion products:**

Isocyanate vapors

---

### 6. Accidental release measures

**Personal precautions:**

Avoid contact with skin and eyes.

If vapors are generated, wear suitable respiratory equipment.

Wear protective equipment.

Keep unprotected persons away.

**Environmental precautions:**

Do not empty into drains / surface water / ground water.

**Process for cleaning and take-up:**

Neutralise any spillages with a mixture of alcohol, water and wetting agent, if necessary adding 1% ammonia relative to the isocyanate groups.

---

### 7. Handling and storage

**Handling:**

Ensure good ventilation/suction at the workplace.

Avoid skin and eye contact.

**Storage:**

Store in sealed original container protected against moisture.

Store in a cool, dry place.

Container must be made airtight after use.

Storage at 15 to 25°C is recommended.

---



## 8. Exposure controls / personal protection

### Components with specific control parameters for workplace:

Valid for

Great Britain

Basis

Occupational Exposure Limits

Ingredient	ppm	mg/m <sup>3</sup>	Type	Category	Remarks
4,4'-methylenediphenyl diisocyanate; diphenylmethane-4,4'-diisocyanate		0,02	EU - Time Weighted Average (TWA).		
4,4'-methylenediphenyl diisocyanate; diphenylmethane-4,4'-diisocyanate		0,07	EU - Short Term Exposure Limit (STEL):		
4,4'-methylenediphenyl diisocyanate; diphenylmethane-4,4'-diisocyanate					Listed.
xylene	50	220	EU - Time Weighted Average (TWA).		
xylene	100	441	EU - Short Term Exposure Limit (STEL):		
xylene			Skin designation:		Can be absorbed through the skin.
xylene	50	221	EU - Time Weighted Average (TWA).		
xylene	100	442	EU - Short Term Exposure Limit (STEL):		
xylene			Skin designation:		Can be absorbed through the skin.
xylene					Listed.

### Hand protection:

Chemical-resistant protective gloves (EN 374). Suitable materials for short-term contact or splashes (recommended: at least protection index 2, corresponding to > 30 minutes permeation time as per EN 374):

Isobutylene-isoprene rubber (IIR; >= 0.7 mm thickness) Suitable materials for longer, direct contact (recommended: protection index 6, corresponding to > 480 minutes permeation time as per EN 374):

Isobutylene-isoprene rubber (IIR; >= 0.7 mm thickness) This information is based on literature references and on information provided by glove manufacturers, or is derived by analogy with similar substances. Please note that in practice the working life of chemical-resistant protective gloves may be considerably shorter than the permeation time determined in accordance with EN 374 as a result of the many influencing factors (e.g. temperature). If signs of wear and tear are noticed then the gloves should be replaced.

### Eye protection:

Wear tightly fitting goggles.

### Body protection:

suitable protective clothing

### General protection and hygiene measures:

S.20/21 When using do not eat, drink or smoke. S.27 Take off immediately all contaminated clothes. Wash hands with soap and water on completion of work and before breaks.

## 9. Physical and chemical properties

### General characteristics

State: pasty  
Odor: of solvent  
Color(s): black

### Phys./chem. properties:

Density: 1,17 g/cm<sup>3</sup>  
(20 °C)  
Solubility (qualitative): insoluble  
(Solvent: water)

{ error: graphic file not found:

---

Solubility (qualitative) (Solvent: water)	Reaction with water.
Explosion limit lower [vol%]	0,4 %(V)
upper [vol%]	7,6 %(V)

---

## 10. Stability and reactivity

### Conditions to avoid:

Temperatures over appr. 250 °C  
Avoid moisture.

### Materials to avoid:

Reacts with water: Pressure built up in closed vessel (CO<sub>2</sub>).

### Dangerous decomposition products:

At higher temperatures isocyanate may be released.  
Carbon dioxide is generated under contact with moisture, leading to pressure in the cans. Danger of cans bursting!

---

## 11. Toxicological information

### General toxicological information:

The present product is a chemical preparation within the meaning of the chemicals act. The following evaluation has been made on the basis of the toxicological data and content by weight of the individual ingredients. Persons suffering from allergic reactions to isocyanates should avoid contact with the product.

### Sensitizing:

May cause sensitization by inhalation.

---

## 12. Ecological information

### General ecological information:

Do not empty into drains, soil or bodies of water.

---

## 13. Disposal considerations

### Waste code(EWC):

080409  
080410 (after hardening)

### Product disposal:

The valid EWC waste code numbers are source-related. The manufacturer is therefore unable to specify EWC waste codes for the articles or products used in the various sectors. The EWC codes listed are intended as a recommendation for users. We will be happy to advise you.  
Small amounts of cured or dried product residues can be disposed of as household waste or as industrial waste similar to household waste.  
Special waste incineration or special disposal with the approval of the responsible local authority.

---

## 14. Transport information

### General information:

Not hazardous according to RID, ADR, ADNR, IMDG, IATA-DGR.

## 15. Regulations - classification and identification

**Symbols of danger:**

Xn - Harmful

**Hazard trigger:**

Diphenylmethane diisocyanate 4,4'-

**R-phrases**

R42 May cause sensitization by inhalation.

**S-phrases :**

S23 Do not breathe vapour.

S28 After contact with skin, wash immediately with plenty of water.

S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

**Special declaration:**

Contains isocyanates. Observe manufacturer's instructions!

**National regulations/information:**

VOCV 814.018 VOC regulation CH 6 %

---

## 16. Other information

Full text of the R-phrases indicated by codes in this safety data sheet. The product code/identification/designation is indicated in Section 15.

R10 Flammable.

R20 Harmful by inhalation.

R20/21 Harmful by inhalation and in contact with skin.

R36/37/38 Irritating to eyes, respiratory system and skin.

R38 Irritating to skin.

R42/43 May cause sensitization by inhalation and skin contact.

R65 Harmful: may cause lung damage if swallowed.

R66 Repeated exposure may cause skin dryness or cracking.

**Further information:**

This information is based on our current level of knowledge and relates to the product in the state in which it is delivered. It is intended to describe our products from the point of view of safety requirements and is not intended to guarantee any particular properties.