



## Safety Data Sheet according to (EC) No 1907/2006 - ISO 11014-1

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TEROKAL 9225 BT 1ST VE6

sds no. : SET00023031J

V004.0

Revision: 22.08.2010

printing date: 24.08.2010

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

**Trade name:**

TEROKAL 9225 BT 1ST-VE6

**Intended use:**

Part A for 2-K-Polyurethane adhesive and sealant

**Company name:**

Henkel Limited  
Technologies House  
Wood Lane End  
HP2 4RQ Hemel Hempstead

Great Britain

Phone: +44 (0)1442 278000

Fax-no.: +44 (0)1442 278071

**E-mail address of person responsible for Safety Data Sheet:**

ua-productsafety.uk@uk.henkel.com

**Emergency information:**

24 Hours Emergency Tel: +44 (0)1442 278497

### 2. Hazards identification

The product is not hazardous within the meaning of the valid (EU) preparation directive.

### 3. Composition / information on ingredients

**Base substances of preparation:**

Polyol mixture with fillers

**Declaration of ingredients according to (EC) No 1907/2006:**

Contains no dangerous substances exceeding the limits of the EU-Regulation

### 4. First aid measures

**Inhalation:**

Move to fresh air, consult doctor if complaint persists.

**Skin contact:**

Rinse with running water and soap. Apply replenishing cream. Change all contaminated clothing.

**Eye contact:**

Rinse immediately with plenty of running water (for 10 minutes). Seek medical attention if necessary.

**Ingestion:**

Rinse mouth, drink 1-2 glasses of water, do not induce vomiting, consult a doctor.

### 5. Fire fighting measures

**Suitable extinguishing media:**

carbon dioxide, foam, powder, water spray jet, fine water spray

**Extinguishing media which must not be used for safety reasons:**

High pressure waterjet

**Special protection equipment for firefighters:**

Wear protective equipment.  
Wear self-contained breathing apparatus.

**Hazardous combustion products:**

carbon oxides.

### 6. Accidental release measures

**General information:**

Danger of slipping on spilled product.

**Personal precautions:**

Wear protective equipment.  
See advice in chapter 8

**Environmental precautions:**

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

**Clean-up methods:**

Remove with liquid-absorbing material (sand, peat, sawdust).  
Dispose of contaminated material as waste according to Chapter 13.

### 7. Handling and storage

**Storage:**

Store in a cool, dry place.  
Temperatures between + 10 °C and + 25 °C  
Protect from direct sun-light and temperature above 50°C in any case.

### 8. Exposure controls / personal protection

**Components with specific control parameters for workplace:**

none

**Engineering controls:**

Ensure good ventilation/extraction.

**Respiratory protection:**

Suitable breathing mask when there is inadequate ventilation.

**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): Polychloroprene (CR;  $\geq 1$  mm thickness) or natural rubber (NR;  $\geq 1$  mm thickness) Suitable materials for longer, direct contact (recommended: protection index 6, corresponding to > 480 minutes permeation time as per EN 374): Polychloroprene (CR;  $\geq 1$  mm thickness) or natural rubber (NR;  $\geq 1$  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:**

Protective goggles

**Skin protection:**

Wear protective equipment.

**General protection and hygiene measures:**

Do not eat, drink or smoke while working.

Wash hands before work breaks and after finishing work.

Use only personal protection that's CE-labelled according to the regulation no. 819 of 19 August 1994.

## 9. Physical and chemical properties

**General characteristics:**

Appearance	liquid liquid yellow
Odor:	Odorless

**Phys./chem. properties:**

Density (20 °C (68 °F))	1,43 g/cm <sup>3</sup>
Solubility (qualitative) (20 °C (68 °F); Solvent: Water)	Insoluble
VOC content (VOCV 814.018 VOC regulation CH)	0 %

## 10. Stability and reactivity

**Conditions to avoid:**

No decomposition if used according to specifications.

**Materials to avoid:**

None if used for intended purpose.

**Hazardous decomposition products:**

None if used for intended purpose.

## 11. Toxicological information

**General toxicological information:**

To the best of our knowledge no harmful effects are to be expected if the product is handled and used properly.

## 12. Ecological information

**General ecological information:**

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

### 13. Disposal considerations

**Product disposal:**

The valid EEC waste code numbers are not product-related but are largely source-related. These can be requested from the manufacturer.

In consultation with the responsible local authority, must be subjected to special treatment.

### 14. Transport information

**Road transport ADR:**

Not dangerous goods

**Railroad transport RID:**

Not dangerous goods

**Inland water transport ADN:**

Not dangerous goods

**Marine transport IMDG:**

Not dangerous goods

**Air transport IATA:**

Not dangerous goods

### 15. Regulations - classification and identification

The product is not subject to classification according to the calculation methods of the "General Classification Guideline for Preparations of the EC" as issued in the last version.

**VOC Paints and Varnishes (EU):**

Product (sub)category:

This product is not a subject of the Directive 2004/42/EC

### 16. Other information

**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.



## Safety Data Sheet according to (EC) No 1907/2006 - ISO 11014-1

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TEROKAL 9225 BT 1ST VE6

sds no. : 76477

V004.0

Revision: 22.08.2010

printing date: 24.08.2010

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

**Trade name:**

TEROKAL 9225 BT 1ST VE6

**Intended use:**

Part B for 2-K-Polyurethane adhesive and sealant

**Company name:**

Henkel Limited  
Technologies House  
Wood Lane End  
HP2 4RQ Hemel Hempstead

Great Britain

Phone: +44 (0)1442 278000

Fax-no.: +44 (0)1442 278071

**E-mail address of person responsible for Safety Data Sheet:**

ua-productsafety.uk@uk.henkel.com

**Emergency information:**

24 Hours Emergency Tel: +44 (0)1442 278497

### 2. Hazards identification

The product is classified as hazardous within the meaning of the valid (EU) preparation directive.

Xn - Harmful

R40 Limited evidence of a carcinogenic effect.

R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.

R20 Harmful by inhalation.

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

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

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

### 3. Composition / information on ingredients

**General chemical description:**

Hardening component of a 2-component PU adhesive

**Base substances of preparation:**

Isocyanate

**Declaration of ingredients according to (EC) No 1907/2006:**

Hazardous components CAS-No.	EINECS ELINCS	content	Classification
Diphenylmethane-diisocyanate, isomers and homologues 9016-87-9	202-966-0	> 25 %	Xi - Irritant; R36/37/38 carcinogenic, category 3; R40 Xn - Harmful; R20, R48/20 R42/43

For full text of the R-Phrases indicated by codes see section 16 'Other Information'.

Substances without classification may have community workplace exposure limits available.

#### 4. First aid measures

**General information:**

Symptoms of poisoning may occur even after several hours, continue medical observation for at least 48 hours after the accident.

**Inhalation:**

Fresh air, oxygen supply, warmth; seek specialist medical attention.

**Skin contact:**

Rinse with running water and soap. Apply replenishing cream. Change all contaminated clothing. If necessary, see a dermatologist.

**Eye contact:**

Rinse immediately with plenty of running water, seek medical advice from a specialist.

**Ingestion:**

Rinse mouth, drink 1-2 glasses of water, do not induce vomiting, consult a doctor.

#### 5. Fire fighting measures

**Suitable extinguishing media:**

All common extinguishing agents are suitable.

**Extinguishing media which must not be used for safety reasons:**

High pressure waterjet

**Special protection equipment for firefighters:**

Wear protective equipment.  
Wear self-contained breathing apparatus.

**Hazardous combustion products:**

Isocyanate vapors, carbon oxides.

#### 6. Accidental release measures

**Personal precautions:**

Wear protective equipment.  
Avoid contact with skin and eyes.  
Danger of slipping on spilled product.  
Keep unprotected persons away.  
See advice in chapter 8

**Environmental precautions:**

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

**Clean-up methods:**

Neutralise any spillages with a mixture of alcohol, water and wetting agent, if necessary adding 1% ammonia relative to the isocyanate groups.  
Dispose of contaminated material as waste according to Chapter 13.

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

Ensure good ventilation/suction at the workplace.

**Storage:**

Ensure good ventilation/extraction.

Store in a cool, dry place.

Temperatures between + 10 °C and + 25 °C

Protect from direct sun-light and temperature above 50°C in any case.

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

Valid for

Great Britain

Basis

UK EH40 WELs

Ingredient	ppm	mg/m3	Type	Category	Remarks
ISOCYANATES, ALL (AS -NCO) 101-68-8		0,07	Short Term Exposure Limit (STEL):		EH40 WEL
ISOCYANATES, ALL (AS -NCO) 101-68-8		0,02	Time Weighted Average (TWA):		EH40 WEL

**Engineering controls:**

Use only in well ventilated areas.

**Respiratory protection:**

Suitable breathing mask when there is inadequate ventilation.

**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):

nitrile rubber (IR;  $\geq 0.4$  mm thickness)

Suitable materials for longer, direct contact (recommended: protection index 6, corresponding to > 480 minutes permeation time as per EN 374):

nitrile rubber (IR;  $\geq 0.4$  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:**

Goggles which can be tightly sealed.

**Skin protection:**

Wear protective equipment.

Protective clothing that covers arms and legs.

**General protection and hygiene measures:**

Do not eat, drink or smoke while working.

Wash hands before work breaks and after finishing work.

Use only personal protection that's CE-labelled according to the regulation no. 819 of 19 August 1994.

### 9. Physical and chemical properties

**General characteristics:**

Appearance	Paste pasty Black
Odor:	earthy

**Phys./chem. properties:**

Density (20 °C (68 °F))	1,7 g/cm <sup>3</sup>
Viscosity (dynamic) (Brookfield; 20 °C (68 °F); Conc.: 100 % product)	26 - 32 pa.s
Solubility (qualitative) (Solvent: alcohol)	Insoluble
Solid content	100 %
VOC content (VOCV 814.018 VOC regulation CH)	0,00 %

### 10. Stability and reactivity

**Conditions to avoid:**

Avoid moisture.  
Temperatures over appr. 250 °C

**Materials to avoid:**

Reaction with water, alcohols, amines.  
Reaction with water, formation of CO<sub>2</sub>

**Hazardous decomposition products:**

In the event of a fire, carbon monoxide (CO) and carbon dioxide (CO<sub>2</sub>) are released.  
At higher temperatures isocyanate may be released.  
No decomposition if used according to specifications.

### 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.  
Suspected to have carcinogenic effect.  
Persons suffering from allergic reactions to isocyanates should avoid contact with the product.

**Inhalative toxicity:**

Danger of serious damage to health by prolonged exposure by inhalation.  
Harmful by inhalation.  
Irritating to respiratory system

**Skin irritation:**

Primary skin irritation: irritating

**Eye irritation:**

Primary eye irritation: irritating

**Sensitizing:**

May cause sensitization by inhalation.  
May cause sensitization by skin contact.

## 12. Ecological information

**General ecological information:**

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

## 13. Disposal considerations

**Product disposal:**

The valid EEC waste code numbers are not product-related but are largely source-related. These can be requested from the manufacturer.

In consultation with the responsible local authority, must be subjected to special treatment.

## 14. Transport information

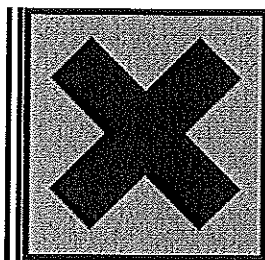
**General information:**

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

## 15. Regulations - classification and identification

**Indication of danger:**

Xn - Harmful



**Contains**

Diphenylmethane-diisocyanate, isomers and homologues

**Risk phrases:**

R40 Limited evidence of a carcinogenic effect.

R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.

R20 Harmful by inhalation.

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

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

**Safety phrases:**

S23 Do not breathe vapour/spray.

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S36/37 Wear suitable protective clothing and gloves.

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

**Additional labeling:**

Contains isocyanates. See information supplied by the manufacturer.

**VOC Paints and Varnishes (EU):**

Product (sub)category:

This product is not a subject of the Directive 2004/42/EC

#### 16. Other information

The labelling of the product is indicated in Section 15. The full text of the R-phrases indicated by codes in this safety data sheet are as follows:

- R20 Harmful by inhalation.
- R36/37/38 Irritating to eyes, respiratory system and skin.
- R40 Limited evidence of a carcinogenic effect.
- R42/43 May cause sensitization by inhalation and skin contact.
- R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.

**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.