

Safety Data Sheet according to (EC) No 1907/2006

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OMNISEAL 1K PUR BLACK 310ML

sds no. : 180162
V003.3

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1. Identification of the substance/mixture and of the company/undertaking

Product identifier:

OMNISEAL 1K PUR BLACK 310ML - 865242

Relevant identified uses of the substance or mixture and uses advised against:

Intended use:

1-Component sealant

Details of the supplier of the safety data sheet:

Quest Consumables Limited
Stock House, Seymour Road, Nuneaton, Warwickshire
CV11 4LB

Great Britain

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2. Hazards identification

Classification of the substance or mixture:

Classification (CLP):

No data available.

Classification (DPD):

Sensitizing

R42 May cause sensitization by inhalation.

Label elements (CLP):

No data available.

Label elements (DPD):

Xn - Harmful

**Risk phrases:**

R42 May cause sensitization by inhalation.

Safety phrases:

S23 Do not breathe vapour.

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.

Contains:

Methylenediphenyl diisocyanate

Other hazards:

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

3. Composition/information on ingredients**General chemical description:**

1-Component moisture-curing sealant

Base substances of preparation:

PUR polymer

Declaration of ingredients according to DPD (EC) No 1999/45:

Hazardous components CAS-No.	EC Number REACH-Reg No.	content	Classification
Xylene - mixture of isomeres 1330-20-7	215-535-7	< 10 %	R10 Xi - Irritant; R38 Xn - Harmful; R20/21
Alkanes, C9-12-iso- 90622-57-4	292-459-0	< 10 %	R10 Xn - Harmful; R65
Ethylbenzene 100-41-4	202-849-4	< 5 %	F - Highly flammable; R11 Xn - Harmful; R20
Methylenediphenyl diisocyanate 26447-40-5	247-714-0	< 1 %	Xi - Irritant; R36/37/38 carcinogenic, category 3; R40 Xn - Harmful; R20, R48/20 R42/43
p-Toluenesulphonyl isocyanate 4083-64-1	223-810-8	< 1 %	Xi - Irritant; R36/37/38 R14 R42

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**Description of first aid measures:**

Inhalation:

Fresh air, oxygen supply, warmth; seek specialist medical attention.
Delayed effects possible after inhalation.

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 (for 10 minutes), seek medical attention from a specialist.

Ingestion:

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

Most important symptoms and effects, both acute and delayed:

May cause sensitization by inhalation.

Indication of any immediate medical attention and special treatment needed:

Move to fresh air, consult doctor if complaint persists.

5. Firefighting measures

Extinguishing media:

Suitable extinguishing media:

All common extinguishing agents are suitable.

Extinguishing media which must not be used for safety reasons:

High pressure waterjet

Special hazards arising from the substance or mixture:

Isocyanate vapors
carbon oxides.

Advice for firefighters:

Wear protective equipment.
Wear self-contained breathing apparatus.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures:

Wear protective equipment.
Avoid contact with skin and eyes.
Keep unprotected persons away.
See advice in chapter 8

Environmental precautions:

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

Methods and material for containment and cleaning up:

Remove mechanically.
Dispose of contaminated material as waste according to Chapter 13.

7. Handling and storage

Precautions for safe handling:

Avoid skin and eye contact.

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.

Conditions for safe storage, including any incompatibilities:

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

Specific end use(s):

- 1-Component sealant

8. Exposure controls/personal protection**Control parameters:**

- 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
XYLENE, MIXED ISOMERS, PURE 1330-20-7	50	220	Skin designation: Time Weighted Average (TWA):	Can be absorbed through the skin.	ECTLV EH40 WEL
XYLENE, O-, M-, P- OR MIXED ISOMERS 1330-20-7	100	441	Short Term Exposure Limit (STEL):		EH40 WEL
XYLENE, O-, M-, P- OR MIXED ISOMERS 1330-20-7			Skin designation:	Can be absorbed through the skin.	EH40 WEL
XYLENE, MIXED ISOMERS, PURE 1330-20-7	50	221	Time Weighted Average (TWA):	Indicative	ECTLV
XYLENE, MIXED ISOMERS, PURE 1330-20-7	100	442	Short Term Exposure Limit (STEL):	Indicative	ECTLV
DIISONONYL PHTHALATE 28553-12-0		5	Time Weighted Average (TWA):		EH40 WEL

Exposure controls:**Engineering controls:**

- Ensure good ventilation/extraction.

Respiratory protection:

- Suitable breathing mask when there is inadequate ventilation.
- Filter A1-A3 (brown)

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 (NBR; ≥ 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 (NBR; ≥ 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:

Wear tight fitting goggles.

Skin protection:

Wear protective equipment.

Protective clothing that covers arms and legs.

9. Physical and chemical properties

Information on basic physical and chemical properties:

Appearance	paste pasty black
Odor	of solvent
pH	No data available / Not applicable
Initial boiling point	No data available / Not applicable
Flash point	No data available / Not applicable
Decomposition temperature	No data available / Not applicable
Vapour pressure (20 °C (68 °F))	< 100 mbar
Density (20 °C (68 °F))	1,19 g/cm ³
Bulk density	No data available / Not applicable
Viscosity	No data available / Not applicable
Viscosity (kinematic)	No data available / Not applicable
Explosive properties	No data available / Not applicable
Solubility (qualitative) (20 °C (68 °F); Solvent: Water)	Insoluble
Solidification temperature	No data available / Not applicable
Melting point	No data available / Not applicable
Flammability	No data available / Not applicable
Auto-ignition temperature	No data available / Not applicable
Explosive limits	
lower	0,1 % (V)
upper	7,6 % (V)
Partition coefficient: n-octanol/water	No data available / Not applicable
Evaporation rate	No data available / Not applicable
Vapor density	No data available / Not applicable
Oxidising properties	No data available / Not applicable

Other information:

Ignition temperature > 200 °C (> 392 °F)

10. Stability and reactivity

Reactivity:

Reacts with water: Pressure built up in closed vessel (CO₂).

Reaction with water, alcohols, amines.

Possibility of hazardous reactions:

See section reactivity
No decomposition if used according to specifications.

Conditions to avoid:

Avoid moisture.

Hazardous decomposition products:

At higher temperatures isocyanate may be released.

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.

Acute toxicity:

Hazardous components CAS-No.	Value type	Value	Route of application	Exposure time	Species	Method
Xylene - mixture of isomeres 1330-20-7	LD50 LC50 LD50	3.523 - 8.700 mg/kg 6350 ppm > 4.350 mg/kg	oral inhalation dermal	4 h	rat rabbit	
Methylenediphenyl diisocyanate 26447-40-5	LD50	> 2.000 mg/kg	oral		rat	
p-Toluenesulphonyl isocyanate 4083-64-1	LD50	2.600 mg/kg	oral			

Skin corrosion/irritation:

Hazardous components CAS-No.	Result	Exposure time	Species	Method
Xylene - mixture of isomeres 1330-20-7	moderately irritating		rabbit	
Methylenediphenyl diisocyanate 26447-40-5	highly irritating		rabbit	

Serious eye damage/irritation:

Hazardous components CAS-No.	Result	Exposure time	Species	Method
Xylene - mixture of isomeres 1330-20-7	not irritating		rabbit	OECD Guideline 405 (Acute Eye Irritation / Corrosion)
Methylenediphenyl diisocyanate 26447-40-5	not irritating		rabbit	

Germ cell mutagenicity:

Hazardous components CAS-No.	Result	Type of study / Route of administration	Metabolic activation / Exposure time	Species	Method
Xylene - mixture of isomers 1330-20-7	negative	bacterial reverse mutation assay (e.g Ames test)	with and without		
Ethylbenzene 100-41-4	negative negative negative	sister chromatid exchange assay in mammalian cells in vitro mammalian chromosome aberration test bacterial reverse mutation assay (e.g Ames test)	with and without with and without with and without		OECD Guideline 471 (Bacterial Reverse Mutation Assay)
Ethylbenzene 100-41-4	negative	intraperitoneal		mouse	
Methylenediphenyl diisocyanate 26447-40-5	negative	bacterial reverse mutation assay (e.g Ames test)	with and without		
p-Toluenesulphonyl isocyanate 4083-64-1	negative negative	in vitro mammalian chromosome aberration test bacterial reverse mutation assay (e.g Ames test)	with and without with and without		

12. Ecological information**General ecological information:**

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

Toxicity:

Hazardous components CAS-No.	Value type	Value	Acute Toxicity Study	Exposure time	Species	Method
Xylene - mixture of isomeres 1330-20-7	LC50	86 mg/l	Fish		Leuciscus idus	OECD Guideline 203 (Fish, Acute Toxicity Test)
Xylene - mixture of isomeres 1330-20-7	EC50	3,1 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Xylene - mixture of isomeres 1330-20-7	EC50	1 - 10 mg/l	Algae		Scenedesmus subspicatus (new name: Desmodesmus subspicatus)	OECD Guideline 201 (Alga, Growth Inhibition Test)
Alkanes, C9-12-iso- 90622-57-4	LC50	> 100 mg/l	Fish	96 h		OECD Guideline 203 (Fish, Acute Toxicity Test)
Alkanes, C9-12-iso- 90622-57-4	EC50	> 100 mg/l	Daphnia	96 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Ethylbenzene 100-41-4	LC50	44 mg/l	Fish	48 h	Leuciscus idus melanotus	
Ethylbenzene 100-41-4	EC50	75 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Ethylbenzene 100-41-4	EC50	> 160 mg/l	Algae	8 d	Scenedesmus quadricauda	OECD Guideline 201 (Alga, Growth Inhibition Test)
Methylenediphenyl diisocyanate 26447-40-5	LC50	> 10.000 mg/l	Fish	96 h	Brachydanio rerio (new name: Danio rerio)	
Methylenediphenyl diisocyanate 26447-40-5	EC50	> 750 mg/l	Daphnia	24 h	Daphnia pulex	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
p-Toluenesulphonyl isocyanate 4083-64-1	LC50	597 mg/l	Fish	96 h	Brachydanio rerio (new name: Danio rerio)	OECD Guideline 203 (Fish, Acute Toxicity Test)

Persistence and degradability:

Hazardous components CAS-No.	Result	Route of application	Degradability	Method
Xylene - mixture of isomeres 1330-20-7	readily biodegradable	aerobic	> 60 %	
Alkanes, C9-12-iso- 90622-57-4		aerobic	7 - 10 %	EU Method C.4-E (Determination of the "Ready" Biodegradability/Closed Bottle Test)
Ethylbenzene 100-41-4		aerobic	69 %	EU Method C.4-F (Determination of the "Ready" Biodegradability/MITI Test)
p-Toluenesulphonyl isocyanate 4083-64-1	readily biodegradable		98 %	OECD Guideline 301 F (Ready Biodegradability: Manometric Respirometry Test)

Bioaccumulative potential / Mobility in soil:

Hazardous components CAS-No.	LogKow	Bioconcentration factor (BCF)	Exposure time	Species	Temperature	Method
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Xylene - mixture of isomers 1330-20-7		8,5	7 d	Oncorhynchus mykiss		
Xylene - mixture of isomers 1330-20-7	3,12					
Alkanes, C9-12-iso- 90622-57-4	> 5,1					
Ethylbenzene 100-41-4	3,15				25 °C	

13. Disposal considerations

Waste treatment methods:**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. Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture:

VOC content 6 %
(VOCV 814.018 VOC regulation
CH)

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 2. The full text of all abbreviations indicated by codes in this safety data sheet are as follows:

R10 Flammable.

R11 Highly flammable.

R14 Reacts violently with water.

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.

R40 Limited evidence of a carcinogenic effect.

R42 May cause sensitization by inhalation.

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

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

R65 Harmful: may cause lung damage if swallowed.

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.