

# Material Safety Data Sheet




Revision date: 09/11/2020

Version: 1

## 1. Identification of the Substance/Preparation and the Company/Undertaking

1.1 Identification/Trade name:	Visqueen Waterstop Adhesive
1.2 Application of the substance:	Adhesive and sealant
1.3 Company/undertaking name & address:	Visqueen Heanor Gate Industrial Estate Heanor Derbyshire DE75 7RG
1.4 Emergency telephone:	Monday - Friday, 9am-5pm: 0333 202 6800 For all other times please use the following number: 01773 841841
Email:	enquiries@visqueen.com

## 2. Hazards Identification


<b>2.1 Classification of the substance or mixture</b>	
EC No 1272/2008	H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled
Directive 67/548/EEC Directive 1999/45/EC	Dangerous – R42: May cause sensitisation by inhalation
Classification system	The classification is according to the latest editions of the EU-lists, and extended by company and literature data.
<b>2.2 Label elements</b>	
Labelling according to Regulation (EC) 1272/2008 (CLP)	The product is classified and labelled according to the CLP regulation.
Hazard pictogram	 GHS08
Signal word	Danger
Hazard-determining components of labelling	Methylenediphenyl diisocyanate
Hazard statements	H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled
Precautionary statements	P101 If medical advice is needed, have product container or label at hand Keep out of reach of children P102 In case of inadequate ventilation, wear respiratory protection P284 If inhaled, remove person to fresh air and keep comfortable for breathing P304 + P340 If experiencing respiratory symptoms, call a doctor Dispose of contents/container in accordance with local/regional/national/international regulations. P342 + P311 P501
Other information	<ul style="list-style-type: none"><li>- Allergic reactions can occur for people sensitive to diisocyanates</li><li>- People having asthma, eczema or skin problems, should avoid any contact (including skin contact) with the product</li><li>- Don't use the product without ventilation unless wearing a protective mask with gas filter (type A1)</li></ul>

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Labelling according to directive 67/548/EEC & 1999/45/EEC (DSD/DPD)	 Harmful (Xn) – contains methylenediphenyl diisocyanate
	R42: May cause sensitisation by inhalation
	S02: Keep out of reach of children S22: Do not breathe dust S45: In case of accident or if you feel unwell seek medical advice immediately (show the label where possible) S63: In case of accident by inhalation: remove casualty to fresh air and keep at rest
	Additional recommendations: <ul style="list-style-type: none"> <li>- Allergic reactions can occur for people sensitive to diisocyanates</li> <li>- People having asthma, eczema or skin problems, should avoid any contact (including skin contact) with the product</li> <li>- Don't use the product without ventilation, unless wearing a protective mask with gas filter (type A1)</li> </ul>
<b>2.3 Other hazards</b>	
CLP	Slightly irritating to the eyes
DSD/DPD	Slightly irritating to the eyes

## 3. Composition – information on ingredients

### 3.2 Chemical characterisation: mixtures

Substance (REACH registration nr.)	CAS EINECS	Conc.	DSD/DPD	CLP
Hydrocarbons, C10-12, iso-alkanes, <2% aromatic components (01-2119471991-29)		1% - 10%	Xn; R65 R10 R66 N; R51-53	Flam. Liq. 3; H226 Asp. Tox. 1; H304 Aquatic Chronic 2; H411
Methylenediphenyl diisocyanate	26447-40-5 247-714-0	0.1% - 1%	Carc. Cat. 3; R40 Xn; R20 -48/20 Xi; R36/37/38 R42/43	Carc. 2; H351 Acute Tox. 4; H332 STOT RE 2; H373 Eye Irrit. 2; H319 STOT SE 3; H335 Skin Irrit. 2; H315 Resp. Sens. 1; H334 Skin Sens. 1; H317
Propylene carbonate (01-2119537232-48)	108-32-7 203-572-1	0.1% - 3%	Xi; R36	Eye Irrit. 2; H319
Additional information	For the wording of the listed risk phrases refer to section 16.			

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## 4. First aid measures

### 4.1 Description of first aid measures

General information	In case of complaints, consult a doctor
After inhalation	Supply fresh air; consult doctor in case of complaints.
After skin contact	Wash with plenty of water. In case of persisting irritation seek medical advice (show label if possible).
After eye contact	Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
After swallowing	Drink plenty of water. In case of complaints seek medical advice.

### 4.2 Most important symptoms and effects – acute and delayed

After eye contact: slight irritation and redness of the eyes

### 4.3 Indication of immediate medical attention and special treatment needed

No further relevant information available

## 5. Firefighting measures

### 5.1 Extinguishing media

Suitable extinguishing media are CO<sub>2</sub>, powder or water spray.

### 5.2 Special hazards arising from the substance or mixture

Formation of toxic and corrosive gases is possible during heating or in case of fire.

### 5.3 Advice for firefighters

Wear self-contained respiratory protective device.

## 6. Accidental Release Measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Wear protective clothing and ensure adequate ventilation

### 6.2 Environmental precautions

Do not allow to enter sewers/surface or ground water

### 6.3 Methods and material for containment and cleaning up

Pick up mechanically. Dispose contaminated material as waste according to item 13.

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## 7. Handling and Storage

### 7.1 Precautions for safe handling

Keep away from open fire/heat. Keep the packaging closed. Handle with care – avoid all contact

### 7.2 Conditions for safe storage

Store product in a cool, dry and well-ventilated area, only in tightly closed original container

### 7.3 Specific end use(s)

No further relevant information available

## 8. Exposure Controls and Personal Protection

### 8.1 Control parameters

#### 8.1.1 Exposure limits for professional use

Isocyanates, all (as –NCO) except methyl isocyanate	Short term limit	0.07 mg/m <sup>3</sup>	Workplace exposure limit (EH40/2005)
	Time weighted average 8h	0.02 mg/m <sup>3</sup>	Workplace exposure limit (EH40/2005)

#### 8.1.4 DNEL/PNEC values

### DNEL – employers

Methylenediphenyl diisocyanate limits	Type	Value
	Systematic effects after long term inhalation	0.05 mg/m <sup>3</sup>
	Acute systematic effects after inhalation	0.1 mg/m <sup>3</sup>
	Local effects after long term inhalation	0.05 mg/m <sup>3</sup>
	Acute local effects after inhalation	0.1 mg/m <sup>3</sup>
	Acute systematic effects after skin contact	50 mg/kg bw/day
	Acute local effects after skin contact	28.7 mg/cm <sup>2</sup>

### DNEL – public

Methylenediphenyl diisocyanate limits	Type	Value
	Systematic effects after long term inhalation	0.025 mg/m <sup>3</sup>
	Acute systematic effects after inhalation	0.05 mg/m <sup>3</sup>
	Local effects after long term inhalation	0.025 mg/m <sup>3</sup>
	Acute local effects after inhalation	0.05 mg/m <sup>3</sup>

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Methylenediphenyl diisocyanate limits	Acute systematic effects after skin contact	25 mg/kg bw/day
	Acute local effects after skin contact	17.2 mg/cm <sup>2</sup>
	Acute systematic effects after swallowing	20 mg/kg bw/day

## PNEC

Methylenediphenyl diisocyanate limits	Environment	Value
	Fresh water	1 mg/ml
	Salt water	0.1 mg/ml
	Aqua (intermittent discharges)	10 mg/ml
	STP	1 mg/ml
	Soil	1 mg/kg dry weight

## 8.2 Exposure controls

General protective and hygienic measures	The usual precautionary measures are to be adhered to when handling chemicals. Do not eat, drink, smoke or sniff while working.
Respiratory protection	Not necessary if room is well ventilated, otherwise gas mask with filter type A is recommended.
Hand protection	Glove material has to be impermeable and resistant to the product.
Eye protection	Goggles recommended during use
Body protection	Light weight protective clothing recommended

## 9. Physical and Chemical Properties

### 9.1 Information on basic physical and chemical properties

Appearance	Pasty
Colour	Champagne
Odour	Undetermined
Particle size	Undetermined
Explosion danger	Undetermined
Flammability	Not flammable
Viscosity	Undetermined
Melting point/Melting range	Undetermined
Boiling point/Boiling range	Undetermined
Self-ignition	The product is not selfigniting
Flash point	Undetermined
Density at 20°C	1.4 g/cm <sup>3</sup>
Solubility	Undetermined

### 9.2 Other information

No further relevant information available

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## 10. Stability and Reactivity

### 10.1 Reactivity

### 10.2 Chemical stability

No decomposition if used according to specifications

### 10.3 Possibility of hazardous reactions

No dangerous reactions known

### 10.4 Conditions to avoid

Keep away from open fire/heat. Keep the packaging well closed.

### 10.5 Incompatible materials

No information available

### 10.6 Hazardous decomposition products

Upon combustion: formation of toxic and corrosive gasses/vapours (HCl, CO/CO<sub>2</sub>) and small quantities sulfuroxides

## 11. Toxicological Information

### 11.1 Information on toxicological effects

Acute toxicity-dermal

Classified as non-irritating

Acute toxicity-eyes

Classified as non-irritating

Further information

When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us. The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.

## 12. Ecological Information

### 12.1 Aquatic toxicity

Classified as non-toxic

### 12.2 Persistence and degradability

Not easily biodegradable

### 12.3 Bioaccumulative potential

No relevant information available

### 12.4 Mobility in soil

Contains components that can adhere to the soil.

### 12.5 Results of PBT and vPvB assessment

PBT Not applicable

vPvB Not applicable

### 12.6 Other adverse effects

No further relevant information available

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## 13. Disposal Considerations

### 13.1 Waste treatment methods

Product disposal	Can be disposed of with domestic waste or incinerated with domestic waste
European waste catalogue:	
08 04 10	Waste adhesives and sealants other than those mentioned in 08 04 09
15 01 01	Paper and cardboard packaging
15 01 10	Plastic packaging

## 14. Transport Information

14.1 UN number - ADR, ADN, IMDG, IATA	Void
14.2 UN proper shipping name - ADR, ADN, IMDG, IATA	Void
14.3 Transport hazard class(es) - ADR, ADN, IMDG, IATA - Class	Void
14.4 Packaging group - ADR, IMDG, IATA	Void
14.5 Environmental hazards - marine pollutant	No
14.6 Special precautions for user	Not applicable
14.7 Transport in bulk acc. to Annex II of MARPOL73/78 and the IBC code UN "Model Regulation"	Not applicable ---

## 15. Regulatory Information

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

No further relevant information available

### 15.2 Chemical safety assessment

A chemical safety assessment has not been carried out

## 16. Other Information

Relevant phrases:

R10	Flammable
R20	Harmful by inhalation
R36	Irritating to eyes
R36/37/38	Irritating to eyes, respiratory system and skin
R40	Limited evidence of a carcinogenic effect
R42	May cause sensitisation 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
R51	Toxic to aquatic organisms
R53	May cause long-term adverse effects in the aquatic environment
R65	Harmful: may cause lung damage if swallowed
R66	Repeated exposure may cause skin dryness or cracking

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H226	Flammable liquid and vapour
H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H332	Harmful if inhaled
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled
H335	May cause respiratory irritation
H351	Suspected of causing cancer
H373	May cause damage to organs through prolonged or repeated exposure
H411	Toxic to aquatic life with long-lasting effects
DSD	Dangerous Substance Directive
DPD	Dangerous Preparaton Directive
CLP (EU-GHS)	Classification, labelling and packaging (Globally Harmonised System in Europe)

#### Disclaimer

All information and instructions provided in this Safety Data Sheet (SDS) are based on the current state of scientific and technical knowledge at the date indicated on the present SDS. The purpose of this information is to draw attention to the health and safety aspects concerning the products supplied by us, and to recommend precautionary measures for the storage and handling of the products. No warranty or guarantee is given in respect of the properties of the products. No liability can be accepted for any failure to observe the precautionary measures described in this data sheet or for any misuse of the products. Visqueen shall not be held responsible for any defect in the product covered by this SDS should the existence of such defect not be detectable considering the current state of scientific and technical knowledge.