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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 Visqueen

name & address: 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

EC No 1272/2008	H334: May cause	e allergy or asthma symptoms or breathing difficulties if inhaled
Directive 67/548/EEC	Dangaraya B47). May cause consisting tion by inhelation
Directive 1999/45/EC	Dangerous – R42	2: 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.	
2.2 Label elements		
Labelling according to Regulation (EC) 1272/2008 (CLP)	The product is cl	assified 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 P102 P284 P304 + P340 P342 + P311 P501	If medical advice is needed, have product container or label at hand Keep out of reach of children In case of inadequate ventilation, wear respiratory protection If inhaled, remove person to fresh air and keep comfortable for breathin If experiencing respiratory symptoms, call a doctor Dispose of contents/container in accordance with local/regional/national/international regulations.
Other information	- People havin contact) with	tions can occur for people sensitive to diisocyanates g asthma, eczema or skin problems, should avoid any contact (including skin n the product e product without ventilation unless wearing a protective mask with gas filter



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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:

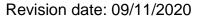
- Allergic reactions can occur for people sensitive to diisocyanates
- People having asthma, eczema or skin problems, should avoid any contact (including skin contact) with the product
- Don't use the product without ventilation, unless wearing a protective mask with gas filter (type AI)

CLP	Slightly irritating to the eyes
DSD/DPD	Slightly irritating to the eyes

Composition – information on ingredients 3.

3.2 Chemical characterisation: mixtures

Substance (REACH registration nr.)	CAS	Conc.	DSD/DPD	CLP
Hydrocarbons, C10-12, iso-alkanes, <2% aromatic components (01-2119471991-29)	EINECS	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	g of the listed risk	phrases refer to section	n 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 CO2, 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 profession	onal use		
Isocyanates, all (as -NCO) except methyl isocyanate	Short term limit	0.07 mg/m³	Workplace exposure limit (EH40/2005)
	Time weighted average 8h	0.02 mg/m ³	Workplace exposure limit (EH40/2005)
8.1.4 DNEL/PNEC values			

DNEL - employers

Methylenediphenyl diisocyanate limits	Туре	Value
	Systematic effects after long term inhalation	0.05 mg/m³
	Acute systematic effects after inhalation	0.1 mg/m³
	Local effects after long term inhalation	0.05 mg/m³
	Acute local effects after inhalation	0.1 mg/m³
	Acute systematic effects after skin contact	50 mg/kg bw/day
	Acute local effects after skin contact	28.7 mg/cm ²

DNEL - public

Methylenediphenyl diisocyanate limits	Туре	Value
	Systematic effects after long term inhalation	0.025 mg/m³
	Acute systematic effects after inhalation	0.05 mg/m³
	Local effects after long term inhalation	0.025 mg/m³
	Acute local effects after inhalation	0.05 mg/m³



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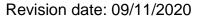
Methylenediphenyl diisocyanate limits	Acute systematic effects after skin contact	25 mg/kg bw/day
	Acute local effects after skin contact	17.2 mg/cm ²
	Acute systematic effects after swallowing	20 mg/kg bw/day
PNEC		
Methylenediphenyl diisocyanate limits	Environment	Value
	Fresh water	l mg/ml
	Salt water	0.1 mg/ml
	Aqua (intermittent discharges)	I0 mg/ml
	STP	l mg/ml
	Soil	I 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 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	I.4 g/cm³	
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/CO2) and small quantities sulfuroxides

11. **Toxicological Information**

11.1 Information on toxic	cological 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 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 dispo	osal Can be disposed of with domestic waste or incinerated with domestic waste	
European was	te 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

17. Hansport information	
I4.I UN number - ADR, ADN, IMDG, IATA	Void
14.2 UN proper shipping name - ADR, ADN, IMDG, IATA	Void
I 4.3 Transport hazard class(es)ADR, ADN, IMDG, IATAClass	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	Not applicable
UN "Model Regulation"	

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:	
RIO	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.