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SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Mixture identification:

Visqueen Axiom Guard Topcoat A

UFI: 9D21-U00X-T008-YVQA

1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended use: Polyurethane for waterproofing

Uses advised against: Not available

1.3. Details of the supplier of the safety data sheet

Company: British Polythene Limited t/a Visqueen

Telephone: Monday - Friday, 9am-5pm: 0333 202 6800

email: enquiries@visqueen.com

1.4. Emergency telephone number

UK 01773 841841

SECTION 2: Hazards identification



2.1. Classification of the substance or mixture

Regulation (EC) n. 1272/2008 (CLP)

Flam. Liq. 3	Flammable liquid and vapour.
Skin Sens. 1A	May cause an allergic skin reaction.
STOT SE 3	May cause respiratory irritation.
Aquatic Chronic 2	Toxic to aquatic life with long lasting effects.

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements

Regulation (EC) n. 1272/2008 (CLP)

Pictograms and Signal Words



Warning

Hazard statements:

H226	Flammable liquid and vapour.
H317	May cause an allergic skin reaction.
H335	May cause respiratory irritation.
H411	Toxic to aquatic life with long lasting effects.

Precautionary statements:

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P273	Avoid release to the environment.
P280	Wear protective gloves/clothing and eye/face protection.
P370+P378	In case of fire, use a dry powder fire extinguisher to extinguish.
P391	Collect spillage.
P403+P235	Store in a well-ventilated place. Keep cool.

Special Provisions:

EUH208	Contains 2-Propenoic acid, 2-methyl-, methyl ester, polymer with butyl 2-propenoate, ethenylbenzene, 1,2-propanediol mono(2-methyl-2-propenoate) and 2-propenoic acid . May produce an allergic reaction.
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- EUH208 Contains fatty acids, C14-18 and C16-18-unsatd., maleated. May produce an allergic reaction.
 EUH211 Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

Contains:

- hydrocarbons C9 aromatics
- o-xylene
- maleic anhydride

Special provisions according to Annex XVII of REACH and subsequent amendments:

None.

2.3. Other hazards

No PBT, vPvB or endocrine disruptor substances present in concentration $\geq 0.1\%$.

Other Hazards: No other hazards

SECTION 3: Composition/information on ingredients

3.1. Substances

Not Relevant

3.2. Mixtures

Mixture identification: TECNOTOP 2C /A

Hazardous components within the meaning of the CLP regulation and related classification:

Concentration (% w/w)	Name	Ident. Numb.	Classification	Registration Number
$\geq 25 - < 50 \%$	2-Propenoic acid, 2-methyl-, methyl ester, polymer with butyl 2-propenoate, ethenylbenzene, 1,2-propanediol mono(2-methyl-2-propenoate) and 2-propenoic acid	CAS:37237-99-3 EC:679-495-6	Skin Sens. 1, H317	
$\geq 25 - < 50 \%$	hydrocarbons C9 aromatics	CAS:64742-95-6, 128601-23-0 EC:265-199-0 Index:649-356-00-4	Flam. Liq. 3, H226; STOT SE 3, H335; Asp. Tox. 1, H304; Aquatic Chronic 2, H411, H336, EUH066	01-2119486773-24-XXXX
$\geq 2.5 - < 5 \%$	o-xylene	CAS:1330-20-7 EC:215-535-7 Index:601-022-00-9	Flam. Liq. 3, H226; Asp. Tox. 1, H304; STOT RE 2, H373; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335; Aquatic Chronic 3, H412	01-2119488216-32-XXXX
$\geq 0.49 - < 1 \%$	2-methoxy-1-methylethyl acetate	CAS:108-65-6 EC:203-603-9 Index:607-195-00-7	Flam. Liq. 3, H226; STOT SE 3, H336	01-2119475791-29-XXXX
$\geq 0.1 - < 0.25 \%$	fatty acids, C14-18 and C16-18-unsatd., maleated	CAS:85711-46-2 EC:288-306-2	Skin Irrit. 2, H315; Skin Sens. 1, H317; Eye Irrit. 2, H319	01-2119976378-19-xxxx
$\geq 0.05 - < 0.1 \%$	ethylbenzene	CAS:100-41-4 EC:202-849-4 Index:601-023-00-4	Flam. Liq. 2, H225; Acute Tox. 4, H332; STOT RE 2, H373; Asp. Tox. 1, H304	
$< 0.0015 \%$	maleic anhydride	CAS:108-31-6 EC:203-571-6 Index:607-096-00-9	Skin Corr. 1B, H314 Resp. Sens. 1, H334 Acute Tox. 4, H302 Skin Sens. 1A, H317 STOT RE 1, H372, EUH071	01-2119472428-31-xxxx

Specific Concentration Limits:
 $C \geq 0,001\%$: Skin Sens. 1A H317

SECTION 4: First aid measures

4.1. Description of first aid measures

In case of skin contact:

Immediately take off all contaminated clothing.

Areas of the body that have - or are only even suspected of having - come into contact with the product must be rinsed immediately with plenty of running water and possibly with soap.

Wash thoroughly the body (shower or bath).

Remove contaminated clothing immediately and dispose of safely.

In case of eyes contact:

Wash immediately with water.

In case of Ingestion:

Do not induce vomiting, get medical attention showing the SDS and the hazard label.

In case of Inhalation:

In case of inhalation, consult a doctor immediately and show him packing or label.

4.2. Most important symptoms and effects, both acute and delayed

Not available

4.3. Indication of any immediate medical attention and special treatment needed

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Treatment:

(see paragraph 4.1)

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

In case of fire, use a dry powder fire extinguisher to extinguish.

Extinguishing media which must not be used for safety reasons:

None in particular.

5.2. Special hazards arising from the substance or mixture

Do not inhale explosion and combustion gases.

5.3. Advice for firefighters

Use suitable breathing apparatus.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment.

Remove all sources of ignition.

Wear breathing apparatus if exposed to vapours/dusts/aerosols.

Provide adequate ventilation.

Use appropriate respiratory protection.

6.2. Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

Limit leakages with earth or sand.

6.3. Methods and material for containment and cleaning up

Suitable material for taking up: absorbing material, organic, sand

Retain contaminated washing water and dispose it.

6.4. Reference to other sections

See also section 8 and 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Avoid contact with skin and eyes, inhalation of vapours and mists.

Use localized ventilation system.

Don't use empty container before they have been cleaned.

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Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.

Contaminated clothing should be changed before entering eating areas.

Do not eat or drink while working.

See also section 8 for recommended protective equipment.

7.2. Conditions for safe storage, including any incompatibilities

Always keep in a well ventilated place.

Store at below 20 °C. Keep away from unguarded flame and heat sources. Avoid direct exposure to sunlight.

Keep away from unguarded flame, sparks, and heat sources. Avoid direct exposure to sunlight.

Keep away from food, drink and feed.

Incompatible materials:

None in particular.

Instructions as regards storage premises:

Cool and adequately ventilated.

7.3. Specific end use(s)

Recommendation(s)

None in particular

Industrial sector specific solutions:

None in particular

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

List of components with OEL value

Component	OEL Type	Country	Ceiling	Long Term mg/m3	Long Term ppm	Short Term mg/m3	Short Term ppm	Behaviour Note
o-xylene	National	SWEDEN		221	50	442	100	SWEDEN, Short term value, 15 minutes average value
	National	FINLAND		220	50	440	100	FINLAND, hud
	National	NORWAY		108	25			NORWAY, H
	EU	None		221	50	442	100	Skin
	National	NORWAY		109	25	218	50	
	ACGIH	None			100		150	A4, BEI - URT and eye irr, CNS impair
	DFG	GERMANY	C			880	200	
	ACGIH				100		150	A4 - Not Classifiable as a Human Carcinogen; CNS impairment; eye and upper respiratory tract irritation
	National	SWEDEN			221	50		
	National	FRANCE			221	50	442	100
	National	SPAIN			221	50	442	100
	National	GREECE			435	100	650	150
	National	DENMARK			109	25		
	National	FINLAND			220	50	440	100
	National	GERMANY			440	100		
	National	PORTUGAL			221	50	442	100
	National	NORWAY			108	25	135	37,5
	National	BELGIUM			221	50	442	100
	NDS	POLAND			100			
	NDSch	POLAND					200	
	CHE	SWITZERLAND					870	200
	NDS	NETHERLANDS			210		442	
	National	CZECH REPUBLIC			200			
National	HUNGARY			221		442		
Malaysi a OEL	MALAYSIA			434	100			
National	ESTONIA			200	50	450	100	
National	LATVIA			221	50	442	100	
National	CZECH REPUBLIC	C				400		
National	SLOVAKIA	C				442		
National	SLOVAKIA			221	50			
National	SLOVENIA			221	50	442	100	
National	UNITED KINGDOM			220	50	441	100	
National	BULGARIA			221,0	50	442	100	
National	ROMANIA			221	50	442	100	

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	TUR	TURKEY		221	50	442	100		
	National	LITHUANIA		221	50	442	100		
	National	CROATIA		221	50	442	100		
	EU			221	50	442	100	Indicative	Possibility of significant uptake through the skin (pure)
	DFG	GERMANY	C			440	100		
2-methoxy-1-methylethyl acetate	ACGIH	None		275,000	50,000	550,000	100,000		Skin
	SUVA	None		275,000	50				
	National	SWEDEN		250,000	50	400,000	75,000		SWEDEN, Short-term value, 15 minutes average value
	National	NORWAY		270,000	50				H E
	National	FINLAND		270,000	50,000	550,000	100,000		FINLAND, hud
	NDS	None		260,000					
	NDSch	None		520,000					
	EU	None		275,000	50,000	550,000	100,000		Skin
	National	GREECE		275	50	550	100		
	National	DENMARK		275	50				
	National	BELGIUM		275	50	550	100		
	National	CZECH REPUBLIC	C			550			
	National	SLOVAKIA	C			550			
	EU	None		275,000	50	550,000	100,000	Indicative	Possibility of significant uptake through the skin
	DFG	GERMANY	C			270	50		
	National	SWEDEN		275	50				
	National	FRANCE		275	50	550	100		
	National	SPAIN		275	50	550	100		
	National	FINLAND		270	50	550	100		
	National	GERMANY		270	50				
	National	PORTUGAL		275	50	550	100		
	National	NORWAY		270	50	337,5	75		
	NDS	POLAND		260					
	NDSch	POLAND				520			
	CHE	SWITZERLAND				275	50		
	NDS	NETHERLANDS		550					
	National	CZECH REPUBLIC		270					
	National	HUNGARY		275		550			
	National	ESTONIA		275	50	550	100		
	National	LATVIA		275	50	550	100		
	National	SLOVAKIA		275	50				
	National	SLOVENIA		275	50	550	100		
	National	UNITED KINGDOM		274	50	548	100		

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National BULGARIA	275,0	50	550,0	100
National ROMANIA	275	50	550	100
TUR TURKEY	275	50	550	100
National LITHUANIA	250	50	400	75
National CROATIA	275	50	550	100
EU	275	50	550	100

Indicative Possibility of significant uptake through the skin

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Ethylbenzene	National Sweden		200	50	450	100	Sweden, short term value, 15 minutes average value
	National FINLAND		220	50	880	200	FINLAND, hud
	National NORWAY		20	5			NORWAY, HK
	EU None		442	100	884	200	Skin
	National NORWAY		217	50	434	100	
	ACGIH None			20			A3, BEI - URT irr, kidney dam (nephropathy), cochlear impair
	National POLAND		200		400		
	DFG GERMANY	C			176	40	
	ACGIH			20			A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans; upper respiratory tract irritation; kidney damage (nephropathy); cochlear impairment
	National SWEDEN		220	50			
	National FRANCE		88,4	20	442	100	
	National SPAIN		441	100	884	200	
	National GREECE		435	100	545	125	
	National DENMARK		217	50			
	National FINLAND		220	50	880	200	
	National GERMANY		88	20			
	National PORTUGAL		442	100	884	200	
	National NORWAY		20	5	30	10	
	National BELGIUM		442	100	551	125	
	NDS POLAND		200				
	NDSch POLAND				400		
	CHE SWITZERLAND				220	50	
	NDS NETHERLANDS		215		430		
	National CZECH REPUBLIC		200				
	National HUNGARY		442		884		
	Malaysi a OEL	MALAYSIA	434	100			
	National ESTONIA		442	100	884	200	
	National LATVIA		442	100	884	200	
	National CZECH REPUBLIC	C			500		
	National SLOVAKIA	C			884		
	National SLOVAKIA		442	100			
	National SLOVENIA		442	100	884	200	
	National UNITED KINGDOM		441	100	552	125	
	National BULGARIA		435		545		
	National ROMANIA		442	100	884	200	
	TUR TURKEY		442	100	884	200	
	National LITHUANIA		442	100	884	200	

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	National CROATIA		442	100	884	200	Indicative	Possibility of significant uptake through the skin
	EU		442	100	884	200		
maleic anhydride	National BELGIUM		87	20	551	125	C	A4 - Not Classifiable as a Human Carcinogen; respiratory sensitization; dermal sensitizer; respiratory sensitizer;
	DFG GERMANY ACGIH		0,01		0,081	0,02		
	National SWEDEN		0,2	0,05				
	National FRANCE				1			
	National SPAIN		0,4	0,1				
	National GREECE		1	0,25				
	National DENMARK		0,4	0,1				
	National FINLAND		0,41	0,1				
	National FINLAND	C			0,81	0,2		
	National GERMANY		0,41	0,1				
	National PORTUGAL			0,1				
	National NORWAY		0,8	0,2	2,4	0,6		
	National BELGIUM		0,41	0,1				
	NDS POLAND		0,5					
	NDSch POLAND				1			
	CHE SWITZERLAND				0,4	0,1		
	National CZECH REPUBLIC		1					
	National HUNGARY		0,4		0,4			
	Malaysi MALAYSIA a OEL		1,0	0,25				
	National ESTONIA		1,2	0,3	2,5	0,6		
	National LATVIA		1					
	National CZECH REPUBLIC	C			2			
	National SLOVAKIA	C			0,41			
	National SLOVAKIA		0,41	0,1				
	National SLOVENIA		0,41	0,1	0,41	0,1		
	National UNITED KINGDOM		1		3			
	National BULGARIA		1,0					
	National ROMANIA		1	0,25	3	0,75		
	National LITHUANIA		1,2	0,3	2,5	0,6		
	National CROATIA		1			3		
	ACGIH		0,01					A4 - Not Classifiable as a Human Carcinogen; respiratory sensitization; dermal sensitizer; respiratory sensitizer;
	National GERMANY		0,081	0,02				

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National CROATIA	0,41	0,1	0,8	0,2
National PORTUGAL	0,01			
National BELGIUM	0,01	0,0025		

Biological Exposure Index

CAS-No.	Component	Value	UoM	Medium	Biological Indicator	Sampling Period
1330-20-7	o-xylene	1,5	GGCREAT	Urine	Methyl uric Acid	End of turn
100-41-4	ethylbenzene	0,15	GGCREAT	Urine	Mandelic acid and fenilgliossalico	End of turn

Predicted No Effect Concentration (PNEC) values

Component	CAS-No.	PNEC Limit	Exposure Route	Exposure Frequency Remark
o-xylene	1330-20-7	0,327 mg/l	Fresh Water	
		0,327 mg/l	Marine water	
		12,46 mg/kg	Freshwater sediments	
		12,46 mg/kg	Marine water sediments	
		2,31 mg/kg	Soil	
		6,58 mg/l	Microorganisms in sewage treatments	
		0,32 mg/l	Intermittent release	
2-methoxy-1-methylethyl acetate	108-65-6	0,635 mg/l	Fresh Water	
		0,0635 mg/l	Marine water	
		3,29 mg/kg	Freshwater sediments	
		0,329 mg/kg	Marine water sediments	
		6,35 mg/l	Intermittent release	
		100 mg/l	Microorganisms in sewage treatments	
		0,29 mg/kg	Soil	
maleic anhydride	108-31-6	0,334 mg/kg	Freshwater sediments	
		0,0334 mg/kg	Marine water sediments	
		0,0415 mg/kg	Soil	
		0,04281 mg/l	Fresh Water	
		0,00428 mg/l	Marine water	
		0,4281 mg/l	Intermittent release	

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Derived No Effect Level. (DNEL)

Component	CAS-No.	Worker Industry	Worker Professional	Consumer	Exposure Route	Exposure Frequency	Remark
o-xylene	1330-20-7	289 mg/m ³	174 mg/m ³		Human Inhalation	Short Term, local effects	
		289 mg/m ³	174 mg/m ³		Human Inhalation	Short Term, systemic effects	
		180 mg/kg	108 mg/kg		Human Dermal	Long Term, systemic effects	
		77 mg/m ³	14,8 mg/m ³		Human Inhalation	Long Term, systemic effects	
			1,6 mg/kg		Human Oral	Long Term, systemic effects	
2-methoxy-1-methylethyl acetate	108-65-6	796 mg/kg	320 mg/kg		Human Dermal	Long Term, systemic effects	
		275 mg/m ³	33 mg/m ³		Human Inhalation	Long Term, systemic effects	
			36 mg/kg		Human Oral	Long Term, systemic effects	
		550 mg/m ³			Human Inhalation	Short Term, local effects	

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maleic anhydride	108-31-6	0,8 mg/m ³	Human Inhalation	Short Term, systemic effects
		0,8 mg/m ³	Human Inhalation	Short Term (acute)
		0,4 mg/m ³	Human Inhalation	Long Term, systemic effects
		0,4 mg/m ³	Human Inhalation	Long Term, local effects

8.2. Exposure controls

Eye protection:

Use close fitting safety goggles, don't use eye lens.

Protection for skin:

Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton.

Protection for hands:

Suitable materials for safety gloves; EN ISO 374:

Polychloroprene - CR: thickness $\geq 0,5$ mm; breakthrough time ≥ 480 min.

Nitrile rubber - NBR: thickness $\geq 0,35$ mm; breakthrough time ≥ 480 min.

Butyl rubber - IIR: thickness $\geq 0,5$ mm; breakthrough time ≥ 480 min.

Fluorinated rubber - FKM: thickness $\geq 0,4$ mm; breakthrough time ≥ 480 min.

Neoprene gloves are suggested (0,5 mm) not recommended gloves: not waterproof gloves

Respiratory protection:

Personal Protective Equipment should comply with relevant CE standards (as EN ISO 374 for gloves and EN ISO 166 for goggles), correctly maintained and stored. Consult the supplier to check the suitability of equipment against specific chemicals and for user information.

Respiratory protection must be used where exposure levels exceed workplace exposure limits. Refer to appropriate EN standards, like EN 136, 140, 143, 149, 14387 for information on selection and use of appropriate respiratory protection equipment.

Use respiratory protection where ventilation is insufficient or exposure is prolonged.

Hygienic and Technical measures

Not available

Appropriate engineering controls:

Not available

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: Liquid

Appearance: viscous liquid

Color: various

Odour: Characteristic

Melting point / freezing point: Not available

Initial boiling point and boiling range: Not available

Flammability: The product is classified Flam. Liq. 3 H226

Upper/lower flammability or explosive limits: Not available

Flash point: 45 °C (113 °F)

Auto-ignition temperature: Not available

Decomposition temperature: Not available

pH: Not Relevant

Viscosity: 1,350.00 cPs

Kinematic viscosity: Not available

Solubility in water: Insoluble

Solubility in oil: Not available

Partition coefficient (n-octanol/water): Not available

Vapour pressure: Not available

Relative density: 1.25 g/cm³

Vapour density: Not available

Particle characteristics:

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Particle size: Not available

9.2. Other information

Miscibility: Not available

Conductivity: Not available

No other relevant information

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions

10.2. Chemical stability

Stable under normal conditions

10.3. Possibility of hazardous reactions

None.

10.4. Conditions to avoid

Stable under normal conditions.

10.5. Incompatible materials

Avoid contact with combustible materials. The product could catch fire.

10.6. Hazardous decomposition products

None.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Toxicological information of the mixture:

a) acute toxicity	Not classified
	Based on available data, the classification criteria are not met
b) skin corrosion/irritation	Not classified
	Based on available data, the classification criteria are not met
c) serious eye damage/irritation	Not classified
	Based on available data, the classification criteria are not met
d) respiratory or skin sensitisation	The product is classified: Skin Sens. 1A(H317)
e) germ cell mutagenicity	Not classified
	Based on available data, the classification criteria are not met
f) carcinogenicity	Not classified
	Based on available data, the classification criteria are not met
g) reproductive toxicity	Not classified
	Based on available data, the classification criteria are not met
h) STOT-single exposure	The product is classified: STOT SE 3(H335)
i) STOT-repeated exposure	Not classified
	Based on available data, the classification criteria are not met
j) aspiration hazard	Not classified
	Based on available data, the classification criteria are not met

Toxicological information on main components of the mixture:

hydrocarbons C9 aromatics	a) acute toxicity	LD50 Skin Rabbit > 2000 mg/kg
		LD50 Oral Rat = 3492,00000 mg/kg
		LC50 Inhalation Vapour Rat = 6193,00000 mg/m3
o-xylene	a) acute toxicity	LD50 Oral Rat > 2000 mg/kg
		LC50 Inhalation Vapour Rat = 11 mg/l 4h
		LD50 Skin Rabbit = 3200 mg/kg
		LD50 Skin Rabbit > 4350 mg/kg
		LC50 Inhalation Rat = 29,08 mg/l 4h
		LD50 Oral Rat = 3500 mg/kg
	e) germ cell mutagenicity	NOAEL Inhalation Rat > 2000 ppm
	f) carcinogenicity	NOAEL Oral Rat = 500 mg/kg
		NOAEL Oral Rat = 1000 mg/kg

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	g) reproductive toxicity	NOAEL Inhalation Rat = 500 ppm
2-methoxy-1-methylethyl acetate	a) acute toxicity	LD50 Oral Rat > 5000 mg/kg
		LD50 Skin Rabbit > 5000 mg/kg
		LD50 Skin Rabbit > 5,00000 g/kg
	e) germ cell mutagenicity	NOAEL Inhalation Rat = 1000,00000 ppm
	g) reproductive toxicity	NOAEL Inhalation Rat = 500,00000 ppm
fatty acids, C14-18 and C16-18-unsatd., maleated	a) acute toxicity	LD50 Oral Rat > 2000 mg/kg
	g) reproductive toxicity	NOAEL Oral Rat > 1000 mg/kg
ethylbenzene	a) acute toxicity	LD50 Skin Rabbit = 5000 mg/kg
		LD50 Oral Rat = 3500 mg/kg
		LC50 Inhalation Rat = 17,40000 mg/l 4h
maleic anhydride	a) acute toxicity	LD50 Oral Rat = 1090 mg/kg
		LD50 Skin Rabbit = 2620 mg/kg

11.2 Information on other hazards

Endocrine disrupting properties:

No endocrine disruptor substances present in concentration
>= 0.1%

SECTION 12: Ecological information

12.1. Toxicity

Adopt good working practices, so that the product is not released into the environment.

Eco-Toxicological Information:

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

List of Eco-Toxicological properties of the product

The product is classified: Aquatic Chronic 2(H411)

List of components with eco-toxicological properties

Component	Ident. Numb.	Ecotox Infos
hydrocarbons C9 aromatics	CAS: 64742-95-6, 128601-23-0 - EINECS: 265-199-0 - INDEX: 649-356- 00-4	a) Aquatic acute toxicity : LC50 Fish Oncorhynchus mykiss = 9,22 mg/L 96 IUCLID a) Aquatic acute toxicity : EC50 Daphnia Daphnia magna = 21,30000 mg/L 48h IUCLID
o-xylene	CAS: 1330-20-7 - EINECS: 215-535-7 - INDEX: 601-022- 00-9	a) Aquatic acute toxicity : EC50 Daphnia = 165 mg/L 48 a) Aquatic acute toxicity : LC50 Fish > 2 mg/L 96 a) Aquatic acute toxicity : EC50 Algae = 2,2 mg/L 72 c) Bacteria toxicity : EC50 = 96 mg/L 24 b) Aquatic chronic toxicity : NOEC Fish > 1,3 mg/L b) Aquatic chronic toxicity : NOEC Daphnia = 1,57 mg/L a) Aquatic acute toxicity : LC50 Fish Pimephales promelas = 13,4 mg/L 96h EPA a) Aquatic acute toxicity : LC50 Fish Oncorhynchus mykiss 2,661 mg/L 96h EPA a) Aquatic acute toxicity : LC50 Fish Oncorhynchus mykiss 13,5 mg/L 96h IUCLID a) Aquatic acute toxicity : LC50 Fish Lepomis macrochirus 13,1 mg/L 96h E a) Aquatic acute toxicity : LC50 Fish Lepomis macrochirus = 19 mg/L 96h E a) Aquatic acute toxicity : LC50 Fish Lepomis macrochirus 7,711 mg/L 96h EPA a) Aquatic acute toxicity : LC50 Fish Pimephales promelas 23,53 mg/L 96h

		EPA
		a) Aquatic acute toxicity : LC50 Fish Cyprinus carpio = 780 mg/L 96h EPA
		a) Aquatic acute toxicity : LC50 Fish Cyprinus carpio > 780 mg/L 96h IUCL
		a) Aquatic acute toxicity : LC50 Fish Poecilia reticulata 30,26 mg/L 96h EPA
		a) Aquatic acute toxicity : EC50 Daphnia water flea = 3,82 mg/L 48h
		a) Aquatic acute toxicity : LC50 Daphnia Gammarus lacustris = 0,6 mg/L 4
		a) Aquatic acute toxicity : LC50 Fish = 130,00000 mg/L 96h
2-methoxy-1-methylethyl acetate	CAS: 108-65-6 - EINECS: 203-603-9 - INDEX: 607-195-00-7	
		a) Aquatic acute toxicity : EC50 Daphnia >= 100,00000 mg/L 48h
		b) Aquatic chronic toxicity : NOEC Fish = 47,5 mg/L - 14 d
		b) Aquatic chronic toxicity : NOEC Daphnia >= 100 mg/L - 21 d
		b) Aquatic chronic toxicity : NOEC Algae >= 1000 mg/L
fatty acids, C14-18 and C16-18-unsatd., maleated	CAS: 85711-46-2 - EINECS: 288-306-2	a) Aquatic acute toxicity : LC50 Fish > 150 mg/L 48
		a) Aquatic acute toxicity : EC50 Daphnia > 100 mg/L 48
		a) Aquatic acute toxicity : EC50 Algae > 100 mg/L 72
		c) Bacteria toxicity : EC50 Bacteria > 1000 mg/L 3
		a) Aquatic acute toxicity : LC50 Fish Danio rerio > 100 mg/L 96h ECHA
maleic anhydride	CAS: 108-31-6 - EINECS: 203-571-6 - INDEX: 607-096-00-9	a) Aquatic acute toxicity : EC50 Algae Desmodesmus subspicatus = 29,000 mg/L 72h IUCLID
		a) Aquatic acute toxicity : LC50 Fish Oncorhynchus mykiss = 75,00000 mg 96h ECHA

12.2. Persistence and degradability

Not available

12.3. Bioaccumulative potential

Not available

12.4. Mobility in soil

Not available

12.5. Results of PBT and vPvB assessment

No PBT, vPvB or endocrine disruptor substances present in concentration $\geq 0.1\%$.

12.6 Endocrine disrupting properties

No endocrine disruptor substances present in concentration $\geq 0.1\%$

12.7 Other adverse effects

Not available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

The generation of waste should be avoided or minimized wherever possible. Recover if possible.

A waste code (EWC) according to European List of Waste (LoW) cannot be specified, due to dependence on the usage. Contact and send to an authorized waste disposal service.

Methods of disposal:

Disposal of this product, solutions, packaging and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

Dispose of surplus and nonrecyclable products via a licensed waste disposal contractor.

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Do not dispose of waste into sewers.

Hazardous waste: Yes

Disposal considerations:

Do not allow to enter drains or watercourses.

Dispose of product according to all federal, state and local applicable regulations.

If this product is mixed with other wastes, the original waste product code may no longer apply and the appropriate code should be assigned.

Dispose of containers contaminated by the product in accordance with local or national legal provisions. For further information, contact your local waste authority.

Special precautions:

This material and its container must be disposed of in a safe way. Care should be taken when handling untreated empty containers.

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Empty containers or liners may retain some product residues. Do not re-use empty containers.

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SECTION 14: Transport information

14.1. UN number or ID number

1139

14.2. UN proper shipping name

ADR-Shipping Name: COATING SOLUTION (hydrocarbons, C9, aromatics)

IATA-Technical name: COATING SOLUTION (hydrocarbons, C9, aromatics)

IMDG-Technical name: COATING SOLUTION (hydrocarbons, C9, aromatics)

14.3. Transport hazard class(es)

ADR-Class: 3

IATA-Class: 3

IMDG-Class: 3

14.4. Packing group

ADR-Packing Group: III

IATA-Packing group: III

IMDG-Packing group: III

14.5. Environmental hazards

Toxic Component most present: hydrocarbons, C9, aromatics

Marine pollutant: Yes

Environmental Pollutant: Yes

IMDG-EMS: F-E, S-E

14.6. Special precautions for user

Road and Rail (ADR-RID) :

ADR exempt: No

ADR-Label: 3

ADR-Hazard identification number: 30

ADR-Special Provisions: -

ADR-Transport category (Tunnel restriction code): 3 (D/E)

Air (IATA) :

IATA-Passenger Aircraft: 355

IATA-Cargo Aircraft: 366

IATA-Label: 3

IATA-Subsidiary hazards: -

IATA-Erg: 3L

IATA-Special Provisioning: A3

Sea (IMDG) :

IMDG-Stowage Code: Category A

IMDG-Stowage Note: -

IMDG-Subsidiary hazards: -

IMDG-Special Provisioning: 955

IMDG-EMS: F-E, S-E

14.7. Maritime transport in bulk according to IMO instruments

Not Applicable

SECTION 15: Regulatory information

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

VOC (2004/42/EC) : 340 g/l

Dir. 98/24/EC (Risks related to chemical agents at work)

Dir. 2000/39/EC (Occupational exposure limit values)

Regulation (EC) n. 1907/2006 (REACH)

Regulation (EU) n. 2020/878

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Regulation (EC) n. 1272/2008 (CLP)
Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013
Regulation (EU) n. 286/2011 (ATP 2 CLP)
Regulation (EU) n. 618/2012 (ATP 3 CLP)
Regulation (EU) n. 487/2013 (ATP 4 CLP)
Regulation (EU) n. 944/2013 (ATP 5 CLP)
Regulation (EU) n. 605/2014 (ATP 6 CLP)
Regulation (EU) n. 2015/1221 (ATP 7 CLP)
Regulation (EU) n. 2016/918 (ATP 8 CLP)
Regulation (EU) n. 2016/1179 (ATP 9 CLP)
Regulation (EU) n. 2017/776 (ATP 10 CLP)
Regulation (EU) n. 2018/669 (ATP 11 CLP)
Regulation (EU) n. 2019/521 (ATP 12 CLP)
Regulation (EU) n. 2018/1480 (ATP 13 CLP)
Regulation (EU) n. 2020/217 (ATP 14 CLP)
Regulation (EU) n. 2020/1182 (ATP 15 CLP)

Provisions related to directive EU 2012/18 (Seveso III):

Seveso III category according to Annex 1, part 1	Lower-tier threshold (tonnes)	Upper-tier threshold (tonnes)
Products belongs to category P5c	5000	50000
Products belongs to category E2 200		500

Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:

Restrictions related to the product: 3, 40

Restrictions related to the substances contained: 52, 75

SVHC Substances:

SVHC substances not present in a concentration $\geq 0.1\%$ (w/w)

German Water Hazard Class (WGK)

2

15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out for the mixture.

SECTION 16: Other information

Code	Description
EUH066	Repeated exposure may cause skin dryness or cracking.
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H373	May cause damage to organs through prolonged or repeated exposure.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

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Code	Hazard class and hazard category	Description
2.6/2	Flam. Liq. 2	Flammable liquid, Category 2
2.6/3	Flam. Liq. 3	Flammable liquid, Category 3
3.1/4/Dermal	Acute Tox. 4	Acute toxicity (dermal), Category 4
3.1/4/Inhal	Acute Tox. 4	Acute toxicity (inhalation), Category 4
3.10/1	Asp. Tox. 1	Aspiration hazard, Category 1
3.2/2	Skin Irrit. 2	Skin irritation, Category 2
3.3/2	Eye Irrit. 2	Eye irritation, Category 2
3.4.2/1	Skin Sens. 1	Skin Sensitisation, Category 1
3.4.2/1A	Skin Sens. 1A	Skin Sensitisation, Category 1A
3.8/3	STOT SE 3	Specific target organ toxicity – single exposure, Category 3
3.9/2	STOT RE 2	Specific target organ toxicity – repeated exposure, Category 2
4.1/C2	Aquatic Chronic 2	Chronic (long term) aquatic hazard, category 2
4.1/C3	Aquatic Chronic 3	Chronic (long term) aquatic hazard, category 3

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Classification according to Regulation (EC) Nr. 1272/2008	Classification procedure
2.6/3	On basis of test data
3.4.2/1A	Calculation method
3.8/3	Calculation method
4.1/C2	Calculation method

If appropriate, specific provisions in relation to possible training for workers are mentioned in section 2. Any training related to safety in the workplace must in any case refer to a risk assessment that must be carried out by a company safety officer taking into account the specific operating and environmental conditions in which the products are used.

This document was prepared by a competent person who has received appropriate training.

Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinold

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This SDS cancels and replaces any preceding release.

Legend to abbreviations and acronyms used in the safety data sheet:

ACGIH: American Conference of Governmental Industrial Hygienists

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.

AND: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

ATE: Acute Toxicity Estimate

ATEmix: Acute toxicity Estimate (Mixtures)

BCF: Biological Concentration Factor

BEI: Biological Exposure Index

BOD: Biochemical Oxygen Demand

CAS: Chemical Abstracts Service (division of the American Chemical Society).

CAV: Poison Center

CE: European Community

CLP: Classification, Labeling, Packaging.

CMR: Carcinogenic, Mutagenic and Reprotoxic

COD: Chemical Oxygen Demand

COV: Volatile Organic Compound

CSA: Chemical Safety Assessment

CSR: Chemical Safety Report

DMEL: Derived Minimal Effect Level

DNEL: Derived No Effect Level.

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DPD: Dangerous Preparations Directive
DSD: Dangerous Substances Directive
EC50: Half Maximal Effective Concentration
ECHA: European Chemicals Agency
EINECS: European Inventory of Existing Commercial Chemical Substances.
ES: Exposure Scenario
GefStoffVO: Ordinance on Hazardous Substances, Germany.
GHS: Globally Harmonized System of Classification and Labeling of Chemicals.
IARC: International Agency for Research on Cancer
IATA: International Air Transport Association.
IATA-DGR: Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
IC50: half maximal inhibitory concentration
ICAO: International Civil Aviation Organization.
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO).

IMDG: International Maritime Code for Dangerous Goods.
INCI: International Nomenclature of Cosmetic Ingredients.
IRCCS: Scientific Institute for Research, Hospitalization and Health Care
KSt: Explosion coefficient.
LC50: Lethal concentration, for 50 percent of test population.
LD50: Lethal dose, for 50 percent of test population.
LDLo: Leathal Dose Low
N.A.: Not Applicable
N/A: Not Applicable
N/D: Not defined/ Not available
NA: Not available
NIOSH: National Institute for Occupational Safety and Health
NOAEL: No Observed Adverse Effect Level
OSHA: Occupational Safety and Health Administration.
PBT: Persistent, Bioaccumulative and Toxic
PGK: Packaging Instruction
PNEC: Predicted No Effect Concentration.
PSG: Passengers
RID: Regulation Concerning the International Transport of Dangerous Goods by Rail.
STEL: Short Term Exposure limit.
STOT: Specific Target Organ Toxicity.
TLV: Threshold Limiting Value.
TWATLV: Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard).
vPvB: Very Persistent, Very Bioaccumulative.
WGK: German Water Hazard Class.

*** Sheet model entirely changed in compliance to regulatory update.**

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

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