

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

1.1. Product identifier

Product form : Mixture
 Product name : Axiom UniSeal (Part B)
 Product code : 160-2-10-B

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

1.2.1. Relevant identified uses

Industrial/Professional use spec : For professional use only
 Industrial
 Use of the substance/mixture : Elastomeric, polyurethane based material, extended with pure chemically polymerized black bitumen, for waterproofing any surface

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Visqueen Building Products,
 Heanor Gate Road,
 Heanor,
 Derbyshire,
 DE75 7RG
 www.visqueenbuilding.co.uk

1.4. Emergency telephone number

Emergency number : 0333 202 6800

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Flammable liquids, Category 3 :	H226	On basis of test data
Acute toxicity (dermal), Category 4 :	H312	Calculation method
Skin corrosion/irritation, Category 2 :	H315	Calculation method
Serious eye damage/eye irritation, Category 2 :	H319	Calculation method
Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation :	H335	Calculation method
Specific target organ toxicity – Repeated exposure, Category 2 :	H373	Calculation method
Hazardous to the aquatic environment – Chronic Hazard, Category 2 :	H411	Calculation method

Full text of H statements : see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP)



GHS02
Warning



GHS07



GHS08

Signal word (CLP) :

Hazardous ingredients :

Hazard statements (CLP) :

diethylmethylbenzenediamine; xylene,
 H226 - Flammable liquid and vapour
 H312 - Harmful in contact with skin
 H315 - Causes skin irritation
 H319 - Causes serious eye irritation
 H335 - May cause respiratory irritation
 H373 - May cause damage to organs through prolonged or repeated exposure
 H411 - Toxic to aquatic life with long lasting effects

Precautionary statements (CLP) :

- P101 - If medical advice is needed, have product container or label at hand
- P102 - Keep out of reach of children
- P260 - Do not breathe vapours
- P280 - Wear protective gloves, face protection, eye protection
- P233 - Keep container tightly closed
- P271 - Use only outdoors or in a well-ventilated area
- P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking
- P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification according to Directive 67/548/EEC	Classification according to Regulation (EC) No. 1272/2008 [CLP]
xylene (Note C)	(CAS No) 1330-20-7 (EC no) 215-535-7 (EC index no) 601-022-00-9	20 - 50	R10 Xn; R20/21 Xi; R36/37/38 Xn; R65	Flam. Liq. 3, H226 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 STOT RE 2, H373 Asp. Tox. 1, H304
diethylmethylbenzenediamine (Note C)	(CAS No) 68479-98-1 (EC no) 270-877-4 (EC index no) 612-130-00-0	20 - 50	Xn; R21/22 Xn; R48/22 Xi; R36 N; R50/53	Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Oral), H302 STOT RE 2, H373 Eye Irrit. 2, H319 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

Specific concentration limits:

Name	Product identifier	Specific concentration limits: DSD/DPD	Specific concentration limits: CLP
xylene	(CAS No) 1330-20-7 (EC no) 215-535-7 (EC index no) 601-022-00-9	(C >= 12.5) Xn;R20/21	

Note C : Some organic substances may be marketed either in a specific isomeric form or as a mixture of several isomers. In this case the supplier must state on the label whether the substance is a specific isomer or a mixture of isomers.

Full text of R- and H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-aid measures after inhalation : Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTRE or doctor/physician if you feel unwell.

First-aid measures after skin contact : Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Rinse skin with water/shower. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/attention.

First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

First-aid measures after ingestion : Rinse mouth. DO NOT induce vomiting. Obtain emergency medical attention.

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

Symptoms/injuries : Causes damage to organs.

Symptoms/injuries after inhalation : May cause respiratory irritation.

Symptoms/injuries after skin contact : Repeated exposure to this material can result in absorption through skin causing significant health hazard. Harmful in contact with skin. Causes skin irritation.

Symptoms/injuries after eye contact : Causes serious eye irritation.

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

No additional information available

SECTION 5: Firefighting measures**5.1. Extinguishing media**

Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.

Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Fire hazard : Flammable liquid and vapour.

Explosion hazard : May form flammable/explosive vapour-air mixture.

5.3. Advice for firefighters

Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

General measures : Remove ignition sources. Use special care to avoid static electric charges. No open flames. No smoking.

6.1.1. For non-emergency personnel

Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection.

Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

Additional hazards when processed : Handle empty containers with care because residual vapours are flammable.

Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. No open flames. No smoking. Take precautionary measures against static discharge. Use only non-sparking tools. Avoid breathing vapours. Use only outdoors or in a well-ventilated area.

Hygiene measures : Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Proper grounding procedures to avoid static electricity should be followed. Ground/bond container and receiving equipment. Use explosion-proof electrical equipment.

Storage conditions : Keep only in the original container in a cool, well ventilated place away from : Heat sources. Keep container tightly closed.

Incompatible products : Strong bases. Strong acids.

Incompatible materials : Sources of ignition. Direct sunlight. Heat sources.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection**8.1. Control parameters**

No additional information available

8.2. Exposure controls

Personal protective equipment :	Avoid all unnecessary exposure.
Hand protection :	Wear protective gloves
Eye protection :	Chemical goggles or safety glasses
Skin and body protection :	Wear suitable protective clothing
Respiratory protection :	Wear appropriate mask
Other information :	Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state :	Liquid
Colour :	light brown.
Odour :	aromatic.
Odour threshold :	No data available
pH :	Not applicable
Relative evaporation rate (butylacetate=1) :	No data available
Melting point :	No data available
Freezing point :	No data available
Boiling point :	No data available
Flash point :	26 - 27 °C
Auto-ignition temperature :	No data available
Decomposition temperature :	No data available
Flammability (solid, gas) :	Flammable liquid and vapour
Vapour pressure :	No data available
Relative vapour density at 20 °C :	No data available
Relative density :	No data available
Density :	0.95 g/cm ³
Solubility :	organic solvents.
Log Pow :	No data available
Viscosity, kinematic :	No data available
Viscosity, dynamic :	No data available
Explosive properties :	No data available
Oxidising properties :	No data available
Explosive limits :	No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

No additional information available

10.2. Chemical stability

Stable under recommended handling and storage conditions (see section 7).

10.3. Possibility of hazardous reactions

None under normal use.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures. Open flame. Overheating. Heat. Sparks.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

fume. May release flammable gases.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity :	Dermal: Harmful in contact with skin.
ATE CLP (dermal)	1782.820 mg/kg bodyweight
Skin corrosion/irritation :	Causes skin irritation. pH: Not applicable
Serious eye damage/irritation :	Causes serious eye irritation. pH: Not applicable
Respiratory or skin sensitisation :	Not classified
Additional information :	Based on available data, the classification criteria are not met
Germ cell mutagenicity :	Not classified Based on available data, the classification criteria are not met
Carcinogenicity :	Not classified
Additional information :	Based on available data, the classification criteria are not met
Reproductive toxicity :	Not classified
Additional information :	Based on available data, the classification criteria are not met
Specific target organ toxicity (single exposure) :	May cause respiratory irritation.
Specific target organ toxicity (repeated exposure) :	May cause damage to organs through prolonged or repeated exposure.
Aspiration hazard :	Not classified
Additional information :	Based on available data, the classification criteria are not met
Potential adverse human health effects and symptoms :	Harmful in contact with skin.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - water :	Toxic to aquatic life with long lasting effects.
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12.2. Persistence and degradability

Axiom UniSeal part B

Persistence and degradability	May cause long-term adverse effects in the environment.
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12.3. Bioaccumulative potential

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Bioaccumulative potential	No available data.
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Additional information : Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations :	Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to ..
Additional information :	Handle empty containers with care because residual vapours are flammable.
Ecology - waste materials :	Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

UN-No. (ADR) :	1139
UN-No. (IMDG) :	1139
UN-No. (IATA) :	1139
UN-No. (ADN) :	Not regulated
UN-No. (RID) :	Not regulated

14.2. UN proper shipping name

Proper Shipping Name (ADR) :	COATING SOLUTION
Proper Shipping Name (IMDG) :	COATING SOLUTION
Proper Shipping Name (IATA) :	Coating solution
Proper Shipping Name (ADN) :	Not regulated
Proper Shipping Name (RID) :	Not regulated
Transport document description (ADR) :	UN 1139 COATING SOLUTION (NOT SUBJECT TO THE PROVISIONS OF ADR - The product is packed in receptacles of less than 450 litres capacity. - Exempted according to 2.2.3.1.5 (Viscous substance exemption)), 3, III, (D/E), ENVIRONMENTALLY HAZARDOUS
Transport document description (IMDG) :	UN 1139 COATING SOLUTION (NOT SUBJECT TO THE PROVISIONS OF IMDG CODE FOR THE MARKING, LABELLING AND TESTING OF PACKAGES IN CHAPTERS 4.1, 5.2, AND 6.1. - The product is packed in receptacles not exceeding 30 L capacity - The following statement shall be included in the transport document: "Transport in accordance with 2.3.2.5 of the IMDG Code."), 3, III, MARINE POLLUTANT/ ENVIRONMENTALLY HAZARDOUS
Transport document description (IATA) :	UN 1139 Coating solution, 3, III, ENVIRONMENTALLY HAZARDOUS

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) :	3
Danger labels (ADR) :	3



IMDG

Transport hazard class(es) (IMDG) :	3
Danger labels (IMDG) :	3



IATA

Transport hazard class(es) (IATA) :	3
Hazard labels (IATA) :	3



ADN

Transport hazard class(es) (ADN) :	Not applicable
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RID

Transport hazard class(es) (RID) :	Not applicable
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14.4. Packing group

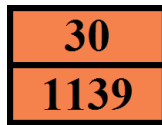
Packing group (ADR) :	III
Packing group (IMDG) :	III
Packing group (IATA) :	III
Packing group (ADN) :	Not regulated
Packing group (RID) :	Not regulated

14.5. Environmental hazards

Dangerous for the environment :	Yes
Marine pollutant :	Yes

14.6. Special precautions for user**- Overland transport**

Classification code (ADR) :	F1
Special provisions (ADR) :	640E
Limited quantities (ADR) :	5I
Excepted quantities (ADR) :	E1
Packing instructions (ADR) :	P001, IBC03, LP01, R001
Mixed packing provisions (ADR) :	MP19
Transport category (ADR) :	3
Special provisions for carriage - Packages (ADR) :	V12
Special provisions for carriage - Operation (ADR) :	S2
Hazard identification number (Kemler No.) :	30
Orange plates :	



Tunnel restriction code (ADR) :	D/E
EAC code :	•3YE

- Transport by sea

Special provisions (IMDG) :	955
Limited quantities (IMDG) :	5 L
Excepted quantities (IMDG) :	E1
Packing instructions (IMDG) :	P001, LP01
IBC packing instructions (IMDG) :	IBC03
EmS-No. (Fire) :	F-E
EmS-No. (Spillage) :	S-E
Stowage category (IMDG) :	A
Properties and observations (IMDG) :	Miscibility with water depends upon the composition.

- Air transport

PCA excepted quantities (IATA) :	E1
PCA limited quantities (IATA) :	Y344
PCA limited quantity max. net quantity (IATA) :	10L
PCA packing instructions (IATA) :	355
PCA max. net quantity (IATA) :	60L
CAO packing instructions (IATA) :	366
CAO max. net quantity (IATA) :	220L
Special provisions (IATA) :	A3
ERG code (IATA) :	3L

- Inland waterway transport

Not regulated

- Rail transport

Not regulated

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****15.1.1. EU-Regulations**

Contains no substances with Annex XVII restrictions
Contains no substance on the REACH candidate list
Contains no REACH Annex XIV substances.

15.1.2. National regulations

Germany

VwVwS Annex reference :

Water hazard class (WGK) 3, severe hazard to waters (Classification according to VwVwS, Annex 4)

12th Ordinance Implementing the Federal :
Immission Control Act - 12.BImSchV

Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

Netherlands

SZW-lijst van kankerverwekkende stoffen :

diethylmethylbenzenediamine is listed

SZW-lijst van mutagene stoffen :

diethylmethylbenzenediamine is listed

NIET-limitatieve lijst van voor de voortplanting
giftige stoffen – Borstvoeding :

None of the components are listed

NIET-limitatieve lijst van voor de voortplanting
giftige stoffen – Vruchtbaarheid :

None of the components are listed

NIET-limitatieve lijst van voor de voortplanting
giftige stoffen – Ontwikkeling :

xylene is listed

Denmark

Class for fire hazard :

Class II-1

Store unit :

5 litre

Classification remarks :

R10 <H226;H312;H315;H319;H335;H373;H411>; Emergency management guidelines for the storage of flammable liquids must be followed

Recommendations Danish Regulation :

Young people below the age of 18 years are not allowed to use the product

Pregnant/breastfeeding women working with the product must not be in direct contact with the product

15.2. Chemical safety assessment

No data available

SECTION 16: Other information

Data sources :

REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Other information :

None.

Full text of R-, H- and EUH-statements:

Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment – Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment – Chronic Hazard, Category 1
Asp. Tox. 1	Aspiration hazard, Category 1
Carc. 2	Carcinogenicity, Category 2
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT RE 2	Specific target organ toxicity – Repeated exposure, Category 2
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation
H226	Flammable liquid and vapour
H302	Harmful if swallowed
H304	May be fatal if swallowed and enters airways
H312	Harmful in contact with skin
H315	Causes skin irritation
H319	Causes serious eye irritation
H332	Harmful if inhaled
H335	May cause respiratory irritation
H373	May cause damage to organs through prolonged or repeated exposure
R10	Flammable
R20/21	Harmful by inhalation and in contact with skin
R21/22	Harmful in contact with skin and if swallowed
R36	Irritating to eyes

Axiom UniSeal Part B

Safety Data Sheet

According to Regulation (EC) No. 453/2010

Date of issue: 01/07/2016

Revision Date:

Version 1.0

R36/37/38	Irritating to eyes, respiratory system and skin
R48/22	Harmful: danger of serious damage to health by prolonged exposure if swallowed
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R65	Harmful: may cause lung damage if swallowed
N	Dangerous for the environment
Xi	Irritant
Xn	Harmful

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product