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

1.1. Product identifier

Product form: Mixture
Product name: Axiom Guard H+
Product code: RS057240

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

1.2.1. Relevant identified uses
Industrial/Professional use specification: Industrial
For professional use only
Use of the substance/mixture: Novel, all weather rapid curing, single component polyurethane liquid membrane for waterproofing and protection based on Humidity-Activated-Accelerator, Technology

1.2.2. Uses advised against
No additional information available

1.3. Details of the supplier of the safety data sheet
Visqueen
Heanor Gate Road, Heanor
Derbyshire
DE75 7RG
T: 0333 202 6800
enquiries@visqueen.com www.visqueen.com

1.4. Emergency telephone number
Emergency number: Monday - Friday, 9am-5pm: 0333 202 6800
For all other times please use the following number: 01773 841841

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
Skin corrosion/irritation, Category 2: H315
Serious eye damage/eye irritation, Category 2: H319
Specific target organ toxicity — Repeated exposure, Category 2: H373
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
- GHS07
- GHS08

Signal word (CLP): Warning
Hazardous ingredients:
xylene
Hazard statements (CLP):
H226 - Flammable liquid and vapour.
H315 - Causes skin irritation.
H319 - Causes serious eye irritation.
H373 - May cause damage to organs through prolonged or repeated exposure.

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.
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.
No smoking.
P271 - Use only outdoors or in a well-ventilated area.
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

EUH-statements:
EUH204 - Contains isocyanates. May produce an allergic reaction.

2.3. Other hazards
No additional information available
SECTION 3: Composition/information on ingredients

3.1. Substances
Not applicable

3.2. Mixtures

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>%</th>
<th>Classification according to Regulation (EC) No. 1272/2008 [CLP]</th>
</tr>
</thead>
<tbody>
<tr>
<td>xylene</td>
<td>(CAS-No.) 1330-20-7 (EC-No.) 215-535-7 (EC Index-No.) 601-022-00-9 (REACH-no) 01-2119488216-32</td>
<td>10 - 15</td>
<td>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</td>
</tr>
</tbody>
</table>

Full text of 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: Assure fresh air breathing. Allow the victim to rest.

First-aid measures after skin contact: Take off immediately all contaminated clothing. Wash with plenty of 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/effects: Causes damage to organs.
Symptoms/effects after skin contact: Causes skin irritation.
Symptoms/effects 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


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 the 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.

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 spray, fume, vapours.

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 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

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>Liquid</td>
</tr>
<tr>
<td>Appearance</td>
<td>Viscous liquid</td>
</tr>
<tr>
<td>Colour</td>
<td>Various colours</td>
</tr>
<tr>
<td>Odour</td>
<td>Characteristic</td>
</tr>
<tr>
<td>Odour threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Relative evaporation rate (butylacetate=1)</td>
<td>No data available</td>
</tr>
<tr>
<td>Melting point</td>
<td>No data available</td>
</tr>
<tr>
<td>Freezing point</td>
<td>No data available</td>
</tr>
<tr>
<td>Boiling point</td>
<td>No data available</td>
</tr>
<tr>
<td>Flash point</td>
<td>35 °C</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Not applicable, flammable liquid and vapour.</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative vapour density at 20 °C</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative density</td>
<td>No data available</td>
</tr>
</tbody>
</table>
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**Density**

1.42 g/cm³

**Solubility**

organic solvents.

**Log Pow**

No data available

**Viscosity, kinematic**

> 20.5 mm²/s

**Viscosity, dynamic**

2500 cP

**Explosive properties**

No data available

**Oxidising properties**

No data available

**Explosive limits**

No data available

---

### 9.2. Other information

**VOC content**

193 g/l

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**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

Not established.

#### 10.4. Conditions to avoid


#### 10.5. Incompatible materials

Strong acids. Strong bases. water, amines and alcohol's.

#### 10.6. Hazardous decomposition products


---

**SECTION 11: Toxicological information**

#### 11.1. Information on toxicological effects

**Acute toxicity (oral)**

Not classified

**Acute toxicity (dermal)**

Not classified

**Acute toxicity (inhalation)**

Not classified

**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

**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

**STOT-single exposure**

Not classified

**Additional information**

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

---

**Axiom Guard H+**

**Viscosity, kinematic**

> 20.5 mm²/s

**Potential adverse human health effects and symptoms**

Based on available data, the classification criteria are not met.

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**SECTION 12: Ecological information**

#### 12.1. Toxicity

**Acute aquatic toxicity**

Not classified

**Chronic aquatic toxicity**

Not classified
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12.2. Persistence and degradability
Axiom Guard H+
Persistence and degradability: No available data.

12.3. Bioaccumulative potential
Axiom Guard H+
Bioaccumulative potential: No available data.

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
Product/Packaging disposal recommendations: Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to a hazardous or special waste collection point.

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 applicable
UN-No. (RID): Not applicable

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 applicable
Proper Shipping Name (RID): Not applicable

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)

- 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

Transport document description (IATA): UN 1139 Coating solution, 3, III

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

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

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

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

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

14.4. Packing group
Packing group (ADR) : III
Packing group (IMDG) : III
Packing group (IATA) : III
Packing group (ADN) : Not applicable
Packing group (RID) : Not applicable

14.5. Environmental hazards
Dangerous for the environment : No
Marine pollutant : No
Other information : No supplementary information available

14.6. Special precautions for user
Overland transport
Classification code (ADR) : F1
Special provisions (ADR) : 640E
Limited quantities (ADR) : 5l
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

Air transport
PCA Excepted quantities (IATA) : E1
### Axiom Guard H+

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<table>
<thead>
<tr>
<th>PCA Limited quantities (IATA)</th>
<th>Y344</th>
</tr>
</thead>
<tbody>
<tr>
<td>PCA limited quantity max net quantity (IATA)</td>
<td>10L</td>
</tr>
<tr>
<td>PCA packing instructions (IATA)</td>
<td>355</td>
</tr>
<tr>
<td>PCA max net quantity (IATA)</td>
<td>60L</td>
</tr>
<tr>
<td>CAO packing instructions (IATA)</td>
<td>366</td>
</tr>
<tr>
<td>CAO max net quantity (IATA)</td>
<td>220L</td>
</tr>
<tr>
<td>Special provisions (IATA)</td>
<td>A3</td>
</tr>
<tr>
<td>ERG code (IATA)</td>
<td>3L</td>
</tr>
</tbody>
</table>

**Inland waterway transport**

No data available

**Rail transport**

No data available

**14.7. Transport in bulk according to Annex II of Marpol 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 REACH substances with Annex XVII restrictions
- Contains no substance on the REACH candidate list
- Contains no REACH Annex XIV substances

**VOC content** : 193 g/l

**Directive 2012/18/EU (SEVESO III)**

**15.1.2. National regulations**

**Germany**

Reference to AwSV

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

: Water hazard class (WGK) 2, significant hazard to waters (Classification according to AwSV, Annex 1)

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

**Netherlands**

SZW-lijst van kankerverwekkende stoffen

: None of the components are listed

SZW-lijst van mutagene stoffen

: None of the components are listed

NIET-limiteerviel lijst van voor de voortplanting giftige stoffen – Borstvoeding

: None of the components are listed

NIET-limiteerviel lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid

: None of the components are listed

NIET-limiteerviel lijst van voor de voortplanting giftige stoffen – Ontwikkeling

: xylene is listed

**Denmark**

**Class for fire hazard**

: Class II-1

**Store unit**

: 5 liter

**Classification remarks**

: <H226;H315;H319;H373>; Emergency management guidelines for the storage of flammable liquids must be followed

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

: Persons suffering from asthma or eczema and persons who have chronic lung diseases, skin or respiratory allergies to isocyanates should not work with the material

: The requirements from the Danish Working Environment Authorities regarding work with epoxy resins and isocyanates must be observed during use and disposal

**15.2. Chemical safety assessment**

No data available

### SECTION 16: Other information

**Data sources**


**Other information**

: None.
### Full text of H- and EUH-statements:

<table>
<thead>
<tr>
<th>Acute Tox. 4 (Dermal)</th>
<th>Acute toxicity (dermal), Category 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute Tox. 4 (Inhalation)</td>
<td>Acute toxicity (inhal.), Category 4</td>
</tr>
<tr>
<td>Asp. Tox. 1</td>
<td>Aspiration hazard, Category 1</td>
</tr>
<tr>
<td>Eye Irrit. 2</td>
<td>Serious eye damage/eye irritation, Category 2</td>
</tr>
<tr>
<td>Flam. Liq. 3</td>
<td>Flammable liquids, Category 3</td>
</tr>
<tr>
<td>Skin Irrit. 2</td>
<td>Skin corrosion/irritation, Category 2</td>
</tr>
<tr>
<td>STOT RE 2</td>
<td>Specific target organ toxicity — Repeated exposure, Category 2</td>
</tr>
<tr>
<td>STOT SE 3</td>
<td>Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation</td>
</tr>
<tr>
<td>H226</td>
<td>Flammable liquid and vapour.</td>
</tr>
<tr>
<td>H304</td>
<td>May be fatal if swallowed and enters airways.</td>
</tr>
<tr>
<td>H312</td>
<td>Harmful in contact with skin.</td>
</tr>
<tr>
<td>H315</td>
<td>Causes skin irritation.</td>
</tr>
<tr>
<td>H319</td>
<td>Causes serious eye irritation.</td>
</tr>
<tr>
<td>H332</td>
<td>Harmful if inhaled.</td>
</tr>
<tr>
<td>H335</td>
<td>May cause respiratory irritation.</td>
</tr>
<tr>
<td>H373</td>
<td>May cause damage to organs through prolonged or repeated exposure.</td>
</tr>
<tr>
<td>EUH204</td>
<td>Contains isocyanates. May produce an allergic reaction.</td>
</tr>
</tbody>
</table>

**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.