SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE

Product Name: AQUAGARD M UVR

Synonyms:

Uses: Waterproofing membrane and protective coating for construction.

Suppliers Name: Polymer Group Ltd
62 Stonedon Drive, East Tamaki
Manukau City, New Zealand
0064 9 274-1400

Emergency Number: Ph: 0800 999 001 Mon-Friday 8.00 am – 5.30 pm
Ph: 09 916 3026 24 hrs

2. HAZARDS IDENTIFICATION


HSNO Classification: 3.1D, 6.1D, 6.3A, 6.4A, 6.5A, 6.5B

HSNO Approval Number: HSR002670

Hazard and Precautionary Statements:

Hazard:
Combustible liquid
Harmful if swallowed
Harmful in contact with skin
Harmful if inhaled
Causes skin irritation
Causes serious eye irritation
May cause allergy or asthma symptoms or breathing difficulties if inhaled
May cause an allergic skin reaction

Prevention:
Keep away from heat, sparks, open flames, hot surfaces. No smoking.
Keep out of reach of children
Read Safety Data Sheet before use
Wear protective gloves, eye and face protection
Wash hands and face thoroughly after handling
Do not eat, drink or smoke when using this product
Avoid breathing dust, fume, gas, mist, vapours, spray
Use only outdoors or in a well-ventilated area
In case of inadequate ventilation wear respiratory protection
Contaminated work clothing should not be allowed out of the workplace.
Response:
If medical advice is needed, have product container or label at hand. 
Call a Poison Centre or doctor/physician if you feel unwell. 
Do NOT induce vomiting.

If inhaled – Remove to fresh air and keep at rest in a position comfortable for breathing.
Call a Poisons Centre or doctor/physician if you feel unwell. 
Do NOT induce vomiting. 
If experiencing respiratory symptoms, call a Poison centre or doctor/physician.

If on Skin – Wash with plenty of soap and water.
Call Poison Centre or doctor/physician if you feel unwell. 
See specific measure for first aid on this label.
Take off contaminated clothing and wash before reuse. 
If skin irritation or rash occurs, get medical advice/attention. 
Use a cleansing agent on skin.

If swallowed – Call a Poison Centre or doctor/physician if you feel unwell. 
Rinse mouth. Do NOT induce vomiting.

If in eyes – 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.

In Case of Fire:
Extinguish with foam, water spray or fog. Do not use water in a jet. Dry chemical powder, carbon dioxide, sand or earth may be used for small fires only.

Storage:
Store in a well-ventilated place. Keep cool. 
Store locked up.

Disposal:
Recycle wherever possible. 
Bury residue in an authorised landfill. 
Recycle containers if possible. If not possible, dispose of in an authorised landfill. 
Containers may still present a chemical hazard/danger when empty. 
If container cannot be cleaned sufficiently well to ensure that residuals do not remain or if the container cannot be used to store the same product, then puncture containers, to prevent re-use, and bury at an authorised landfill. 
Contact appropriate Waste Management Company for guidance and disposal options in your area. 
Where possible retain label warnings and MSDS and observe all notices pertaining to the product.

3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>Cas No:</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Xylene (mixture of isomers)</td>
<td>1330-20-7</td>
<td>&lt;10%</td>
</tr>
<tr>
<td>Polyurethane prepolymer</td>
<td>-</td>
<td>10-30%</td>
</tr>
<tr>
<td>Non-hazardous ingredients</td>
<td></td>
<td>to 100%</td>
</tr>
</tbody>
</table>
4. FIRST AID MEASURES

EMERGENCY & FIRST AID PROCEDURES

Eye Contact: May cause severe irritation and discomfort. Immediately flush eyes with water for at least 15 minutes (longer if irritation persists), hold eyelids open. Seek medical assistance immediately.

Skin Contact: Wash contact area with soap and water. A cotton pad soaked with castor oil can be used to remove product from skin.

Inhalation: As long as the product is used in open areas, or well ventilated confined spaces, inhalation risks are not expected. If there is an obvious odour in the working area increase ventilation. Ensure airborne concentrations remain below exposure limits; refer section 8 of this MSDS. Air circulation equipment (fans) may be required to maintain satisfactory ventilation in confined spaces. If it’s difficult to increase ventilation, wear appropriate respiratory protection. For appropriate respiratory protection refer to Section 8 of this MSDS. Move to fresh air.

Acute inhalation may cause irritation to respiratory tract. Symptoms may include coughing, shortness of breath, burning sensation in chest, headache, nausea, weakness, restlessness and incoordination, drowsiness and coma.

Ingestion: Causes irritation to the gastrointestinal tract. Symptoms may include nausea, vomiting and diarrhoea. A potential aspiration hazard if swallowed. May cause damage to lungs. System may parallel inhalation exposure. Do not induce vomiting. If vomiting does occur, keep head below hip to prevent aspiration. Seek immediate medical assistance.

Note to physician: Treat symptomatically.

5. FIRE FIGHTING MEASURES

Extinguishing Media: Extinguish with foam, water spray or fog. Do not use water in a jet. Dry chemical powder, carbon dioxide, wand or earth maybe used for small fires only.

Special Fire Fighting Procedures: Clear fire area of all non-emergency personnel. Eliminate all ignition sources. Ensure ventilation is sufficient to prevent a build-up of vapour. Allow trained personnel to attend a fire in progress, providing fire fighters with this MSDS. Fire fighter must wear full protective equipment including self-contained breathing apparatus. Prevent extinguishing media from escaping to drains and waterways.

Unusual Fire and Explosion Hazards: The vapour is heavier than air and may spread along the ground causing distant ignition (however it is considered unlikely vapour concentration would reach high enough levels). Vapours will float and can be reignited on surface water. Toxic fumes including carbon monoxide may be evolved.

6. ACCIDENTAL RELEASE MEASURES

SPILLS AND DISPOSAL
Steps to be taken in case material is released or spilled: Prevent fluid from escaping to drains and waterways. Contain leaking packaging in a containment drum. Prevent vapours from building up in confined areas. Ensure drain valves are closed at all times. Clean-up and report spills immediately.

Waste Disposal Method: Eliminate all ignition sources. Increase ventilation if possible. Contain spill using sand, earth, vermiculite or other suitable absorbent. Place contaminated absorbent in drums for disposal. Personnel involved in clean-up must use recommended protective equipment. Dispose of in accordance with local regulations.

7. HANDLING AND STORAGE

SPECIAL PRECAUTIONS AND STORAGE DATA

Special Sensitivity (Heat, Light, Moisture): Product will absorb moisture from the atmosphere. Keep containers closed at all times. Avoid storage of partially used pails. Contamination of drummed product with water may lead to drum rupture.

Containers, even those that have been emptied, can contain flammable or explosive vapours. Do not cut, drill, weld or perform similar operations on or near containers.

STORAGE AND TRANSPORT

Storage Temperature (Min/Max): Store in a cool dry place.

Average Shelf Life:

8. EXPOSURE CONTRAS/PERSOAL PROTECTION

EXPOSURE STANDARDS

Threshold Limit Value – Time Weighted Average (TLV-TWA):
Isocyanate (as NCO) 0.02mg/m³ sensitiser
Xylene, mixture of isomers 350 mg/m³
Light aromatic petroleum 100 mg/m³

Threshold Limit Value – Short Term Exposure Limit (TLV-STEL):
Isocyanate (as NCO) 0.07 mg/m³
Xylene, mixture of isomers 655 mg/m³

Threshold Limit Value – Ceiling (TLV-C): Not established

ENGINEERING CONTROLS

Ventilation: Provide general and/or local exhaust ventilation, depending on type of operations, to control airborne exposures.

Use only in a well ventilated area. Ventilation must be sufficient to maintain exposure below recommended exposure standards above.

PERSONAL PROTECTION
Skin and eye protection: Wear impervious protective clothing, including boots, gloves, coveralls, and safety goggles. Ensure protective equipment is decontaminated before re-use.

Wear chemically resistant safety glasses with side shields. If there is a risk of splashing wear a full face shield. Ensure eye wash facilities are available and all workers are aware of location.

Selection and the use of personal protective equipment should be in accordance with the recommendations in one or more of the relevant Standards, including:

AS 1336: Recommended practices for eye protection in the industrial environment
AS/NZS 1337: Eye protectors for industrial application
AS/NZS 1715: Selection, use and maintenance of respiratory protective devices
AS 2161: Industrial safety gloves and mittens (excluding electrical and medical gloves)
AS/NZS 2210: Occupational protective footwear
AS 2919: Industrial clothing

Respiratory Protection: If inhalation risk exists, wear a respirator fitted with cartridge suitable for organic vapours. This must comply with AS/NZS 1715:1994 Standard. Wash hands before smoking, eating, drinking and going to the toilet.

FLAMMABILITY

Flammability Limits: Not flammable

9. PHYSICAL/CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance &amp; Odour</td>
<td>Viscous liquid with aromatic hydrocarbon odour</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>136-145°C</td>
</tr>
<tr>
<td>Vapour Pressure</td>
<td>1.2kPa @ 20°C</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>1.4</td>
</tr>
<tr>
<td>Flash Point</td>
<td>72°C (ASTM D-93)</td>
</tr>
<tr>
<td>% Volatile by Volume</td>
<td>Not established</td>
</tr>
<tr>
<td>Flammability Limits</td>
<td>Not flammable</td>
</tr>
<tr>
<td>Solubility in Water</td>
<td>Immiscible</td>
</tr>
</tbody>
</table>

10. STABILITY AND REACTIVITY

REACTIVITY DATA

Stability: Stable under normal conditions of use. Avoid storage conditions which heat the product above the flash point. Reacts violently with strong oxidising agents.

Polymerisation:

Incompatibility (Materials to avoid): Strong alkali, acids, oxidising agents, amines and water.

Hazardous decomposition products: Thermal decomposition may occur at temperatures above flash point. A complex mixture of airborne solids, liquids and gases, including carbon monoxide, carbon dioxide and other organic compounds will be evolved when this material undergoes combustion or thermal or oxidative degradation.
### 11. TOXICOLOGICAL INFORMATION

#### HEALTH EFFECTS

#### ACUTE:

**Skin and Eyes:** Causes irritation to skin. Symptoms include redness, itching and pain. May cause dermatitis. Frequent prolonged contact may defec and dry the skin, leading to discomfort and dermatitis. May cause severe eye irritation and discomfort.

**Ingestion:** Causes irritation to the gastrointestinal tract. Symptoms may include nausea, vomiting and diarrhoea. A potential aspiration hazard if swallowed. May cause damage to lungs. System may parallel inhalation exposure.

**Inhaled:** As long as the product is used in open areas, or well ventilated confined spaces, inhalation risks are not expected. High concentrations may cause central nervous system depression resulting in headaches, dizziness and nausea; continued inhalation may result in unconsciousness and/or death.

#### CHRONIC

**Human Effects of Over Exposure:**

### 12. ECOLOGICAL INFORMATION

No data available.

### 13. DISPOSAL CONSIDERATIONS

#### DISPOSAL STATEMENT

Recycle wherever possible.
Bury residue in an authorised landfill.
Recycle containers if possible. If not possible, dispose of in an authorised landfill.
Containers may still present a chemical hazard/danger when empty.
If container can not be cleaned sufficiently well to ensure that residuals do not remain or if the container cannot be used to store the same product, then puncture containers, to prevent re-use, and bury at an authorised landfill.
Contact appropriate Waste Management Company for guidance and disposal options in your area.
Where possible retain label warnings and MSDS and observe all notices pertaining to the product.

### 14. TRANSPORTATION INFORMATION

U.N. No: None    Haz Chem Code: Not applicable
Dangerous Goods Class: Not classified DG
Proper Shipping Name: Not applicable
Packaging Group: Not applicable
Toxic Substances Schedule: Not applicable

15. REGULATORY INFORMATION

HSNO Approval number: HSR002670
HSNO Classification: 3.1D, 6.1D, 6.3A, 6.4A, 6.5A, 6.5B

16. OTHER INFORMATION

This document was reviewed and revised on 30 November 2016.

Contact: POLYMER GROUP LTD – PHONE 09 274 1400

IMPORTANT NOTE: Data quoted is typical for the product but does not constitute a specification and is based on the most accurate information available to PGL at the time of writing. All information contained herein is given in good faith but is subject to change without notice.