

SAFETY DATA SHEET

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

1.1. Product identifier

Trade name or designation of the mixture	Aquapel® Glass Treatment
Registration number	-
Synonyms	None.
SDS number	01-M
Product code	47100, 47101, 47102, 47103, 98990A, 98994
Issue date	12-January-2011
Version number	02
Revision date	28-August-2012
Supersedes date	12-January-2011

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

Identified uses	Rain/water repellant treatment for glass surfaces.
Uses advised against	None known.

1.3. Details of the supplier of the safety data sheet

Supplier

Company name	Pittsburgh Glass Works LLC.
Address	

Nobelstrasse 20
D76275, Etilingen
DE

Telephone: +49 72 43 531960

e-mail: infoeu@pgwglass.com

Contact person: -

1.4. Emergency telephone number

Emergency Telephone
For EU, Africa & Middle East: +1-760-476-3961
USA +1-760-476-3962
Asia Pacific +1-760-476-3960
Access code 333225

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Directive 67/548/EEC or 1999/45/EC as amended

Classification: Xn;R65, R66, N;R51/53

Hazard summary

Physical hazards	Not classified for physical hazards.
Health hazards	Harmful: may cause lung damage if swallowed. Repeated exposure may cause skin dryness or cracking. Occupational exposure to the substance or mixture may cause adverse health effects.
Environmental hazards	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Specific hazards	Swallowing of the liquid, or vomiting as a result, may result in aspiration into the lungs. Vapours may cause drowsiness and dizziness. Defats the skin. Organic solvents may be absorbed into the body by inhalation and cause permanent damage to the nervous system, including the brain.
Main symptoms	Moderately irritating to eyes and respiratory tract. Prolonged or repeated contact may dry skin and cause irritation.

2.2. Label elements

Label according to Directive 67/548/EEC or 1999/45/EC as amended

Contains: Distillates (petroleum), hydrotreated light



Harmful



Dangerous for the environment

R-phrases

R65 Harmful: may cause lung damage if swallowed.
R66 Repeated exposure may cause skin dryness or cracking.
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S-phrases

S2 Keep out of the reach of children.
S23 Do not breathe gas/fumes/vapour/spray.
S36/37 Wear suitable protective clothing and gloves.
S57 Use appropriate container to avoid environmental contamination.
S60 This material and its container must be disposed of as hazardous waste.
S61 Avoid release to the environment. Refer to special instructions/ Safety data sheets.
S62 If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label.

Authorization number

Not available.

Supplemental label information

Not applicable.

2.3. Other hazards

None known.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

General information

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	INDEX No.	Notes
Distillates (petroleum), hydrotreated light	60 - 100	64742-47-8 265-149-8	-	649-422-00-2	
Classification:	Xn;R65, R66, N;R51/53				

Composition comments

The full text for all R-phrases is displayed in Section 16. All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

SECTION 4: First aid measures

General information

If you feel unwell, seek medical advice (show the label where possible).

4.1. Description of first aid measures

Inhalation

Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, give artificial respiration or give oxygen by trained personnel.

Skin contact

Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Use soap if available. Get medical attention if irritation develops or persists. Wash clothing separately before reuse.

Eye contact

Immediately flush eyes with plenty of water for at least 15 minutes. Remove any contact lenses. Get medical attention if irritation develops or persists.

Ingestion

IF SWALLOWED: Immediately call a POISON CENTRE or doctor/physician. Rinse mouth thoroughly. Do not induce vomiting without advice from poison control centre. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.

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

Be aware that symptoms of lung oedema (shortness of breath) may develop up to 24 hours after exposure.

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

Treat symptomatically.

SECTION 5: Firefighting measures

General fire hazards

The product is not flammable.

5.1. Extinguishing media

Suitable extinguishing media

Foam. Dry powder. Carbon dioxide (CO2). Water Spray or Fog

Unsuitable extinguishing media

Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture	Fire may produce irritating, corrosive and/or toxic gases.
5.3. Advice for firefighters	
Special protective equipment for firefighters	Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. Structural firefighters protective clothing will only provide limited protection.
Special fire fighting procedures	In case of fire and/or explosion do not breathe fumes.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel	Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Keep unnecessary personnel away. Local authorities should be advised if significant spillages cannot be contained. Ventilate closed spaces before entering them. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.
For emergency responders	Keep unnecessary personnel away. Use personal protection recommended in Section 8 of the SDS.

6.2. Environmental precautions Prevent further leakage or spillage if safe to do so. Do not contaminate water.

6.3. Methods and material for containment and cleaning up Stop the flow of material, if this is without risk.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. Prevent entry into waterways, sewers, basements or confined areas. Dike the spilled material, where this is possible. Dike far ahead of spill for later disposal. Use clean non-sparking tools to collect absorbed material.

Large Spills: Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal.

Never return spills to original containers for re-use. Clean up in accordance with all applicable regulations.

6.4. Reference to other sections See Section 8 for personal protective equipment. For waste disposal, see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling See Section 8 for personal protective equipment. Do not eat, drink or smoke when using the product. Do not taste or swallow. Avoid contact with skin, eyes and clothing. Use only with adequate ventilation. In case of inadequate ventilation, use respiratory protection. Wash thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities Store in accordance with local/regional/national/international regulation. Keep only in the original container in a cool, well-ventilated place. Protect from direct sunlight. Store away from incompatible materials (see Section 10 of the SDS). Keep away from food, drink and animal feeding stuffs. Keep container tightly closed. Do not store in open or unlabelled containers. Keep out of the reach of children.

7.3. Specific end use(s) Rain/water repellent treatment for glass surfaces.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits	No exposure limits noted for ingredient(s).
Biological limit values	No biological exposure limits noted for the ingredient(s).
Recommended monitoring procedures	Follow standard monitoring procedures.
Derived no-effect level (DNEL)	Not available.
Predicted no effect concentrations (PNECs)	Not available.

8.2. Exposure controls

Appropriate engineering controls Provide adequate general and local exhaust ventilation. Provide eyewash station.

Individual protection measures, such as personal protective equipment

General information	Use personal protective equipment as required. Keep working clothes separately.
Eye/face protection	Wear safety glasses with side shields (or goggles).
Skin protection	
- Hand protection	Chemical resistant gloves required for prolonged or repeated contact. Nitrile gloves are recommended, but be aware that the liquid may penetrate the gloves. Frequent change is advisable. Suitable gloves can be recommended by the glove supplier.

- Other	Full body suit and boots are recommended when handling large volumes or in emergency situations.
Respiratory protection	If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. Use a positive-pressure air-supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air-purifying respirators may not provide adequate protection.
Thermal hazards	None known.
Hygiene measures	Do not get in eyes. Avoid contact with skin. Do not get this material on clothing. When using, do not eat, drink or smoke. Keep away from food and drink. Handle in accordance with good industrial hygiene and safety practices.
Environmental exposure controls	Environmental manager must be informed of all major releases.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Colourless liquid.
Physical state	Liquid.
Form	Liquid.
Colour	Colorless
Odour	Hydrocarbon-like.
Odour threshold	Not applicable.
pH	Not applicable.
Melting point/freezing point	-77 °C (-106.6 °F)
Initial boiling point and boiling range	218 - 257 °C (424.4 - 494.6 °F)
Flash point	> 94 °C (> 201.2 °F)
Evaporation rate	Not applicable.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or explosive limits	
Flammability limit - lower (%)	0.6
Flammability limit - upper (%)	4.9
Vapour pressure	0.012 kPa
Vapour density	Not applicable.
Relative density	0.791 @ 15.6 °C
Solubility(ies)	Not available.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	> 200 °C (> 392 °F)
Decomposition temperature	Not available.
Viscosity	Not applicable.
Explosive properties	Not available.
Oxidizing properties	Not available.
9.2. Other information	No relevant additional information available.

SECTION 10: Stability and reactivity

10.1. Reactivity	Reacts with oxidising agents.
10.2. Chemical stability	Stable at normal conditions.
10.3. Possibility of hazardous reactions	Hazardous polymerisation does not occur.
10.4. Conditions to avoid	Contact with incompatible materials. Avoid high temperatures. Protect against direct sunlight.
10.5. Incompatible materials	Strong oxidizers, strong acids, and strong bases.
10.6. Hazardous decomposition products	Carbon oxides. Hydrogen chloride.

SECTION 11: Toxicological information

General information	Not available.
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Information on likely routes of exposure

Ingestion	May cause lung damage if swallowed. Symptoms may be delayed.
Inhalation	In high concentrations, vapours are narcotic and may cause headache, fatigue, dizziness and nausea.
Skin contact	Prolonged skin contact may cause irritation. Defats the skin.
Eye contact	Direct contact with eyes may cause temporary irritation.

Symptoms Not available.

11.1. Information on toxicological effects

Acute toxicity	Vapours may cause drowsiness and dizziness.
Skin corrosion/irritation	Causes mild skin irritation.
Serious eye damage/irritation	Direct contact with eyes may cause temporary irritation.
Respiratory sensitisation	Not classified.
Skin sensitisation	This product is not expected to cause skin sensitisation.
Germ cell mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
Carcinogenicity	Not expected to cause cancer.
Reproductive toxicity	Contains no ingredient listed as toxic to reproduction
Specific target organ toxicity - single exposure	May cause drowsiness or dizziness. Causes respiratory tract irritation.
Specific target organ toxicity - repeated exposure	Knowledge about health hazard is incomplete.
Aspiration hazard	May be fatal if swallowed and enters airways.
Mixture versus substance information	Not available.
Other information	Not available.

SECTION 12: Ecological information

12.1. Toxicity	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
12.2. Persistence and degradability	Expected to be readily biodegradable.
12.3. Bioaccumulative potential	Not available.
Partition coefficient n-octanol/water (log Kow)	Not available.
Bioconcentration factor (BCF)	Not available.
12.4. Mobility in soil	Not available.
Mobility in general	The product is insoluble in water.
12.5. Results of PBT and vPvB assessment	Not a PBT or vPvB substance or mixture.
12.6. Other adverse effects	Not available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Residual waste	Dispose of in accordance with local regulations.
Contaminated packaging	Offer rinsed packaging material to local recycling facilities.
EU waste code	16 03 05*
Disposal methods/information	Empty containers may contain product residues. Dispose of contents/container in accordance with local/regional/national/international regulations.

SECTION 14: Transport information

ADR

14.1. UN number	UN3082
14.2. UN proper shipping name	Environmentally hazardous substance, liquid, n.o.s. (Distillates (petroleum), hydrotreated light)
14.3. Transport hazard class(es)	9
Subsidiary class(es)	-
14.4. Packing group	III

14.5. Environmental hazards Yes
Tunnel restriction code E
Labels required 9
14.6. Special precautions for user Not available.

RID

14.1. UN number UN3082
14.2. UN proper shipping name Environmentally hazardous substance, liquid, n.o.s. (Distillates (petroleum), hydrotreated light)
14.3. Transport hazard class(es) 9
Subsidiary class(es) -
14.4. Packing group III
14.5. Environmental hazards Yes
Labels required 9
14.6. Special precautions for user Not available.

ADN

14.1. UN number UN3082
14.2. UN proper shipping name Environmentally Hazardous Liquid, N.o.s. (Distillates (petroleum), hydrotreated light)
14.3. Transport hazard class(es) 9
Subsidiary class(es) -
14.4. Packing group III
14.5. Environmental hazards Yes
Labels required 9
14.6. Special precautions for user Not available.

IATA

14.1. UN number UN3082
14.2. UN proper shipping name Environmentally hazardous substance, liquid, n.o.s. (Distillates (petroleum), hydrotreated light)
14.3. Transport hazard class(es) 9
Subsidiary class(es) -
14.4. Packing group III
14.5. Environmental hazards Yes
Labels required 9
ERG Code 9L
14.6. Special precautions for user Not available.

IMDG

14.1. UN number UN3082
14.2. UN proper shipping name Environmentally hazardous substance, liquid, n.o.s. (Distillates (petroleum), hydrotreated light), Marine pollutant
14.3. Transport hazard class(es) 9
Subsidiary class(es) -
14.4. Packing group III
14.5. Environmental hazards
Marine pollutant Yes
Labels required 9
EmS No. F-A, S-F
14.6. Special precautions for user Not available.
14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code This substance/mixture is not intended to be transported in bulk.

General

The product is eligible for Limited Quantity exemption because its unit size meets the relevant thresholds. It may be eligible for Excepted Quantity exemption, dependant on quantity of units within the outer package.

SECTION 15: Regulatory information

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

EU regulations

Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex I

Not listed.

Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex II

Not listed.

Regulation (EC) No. 850/2004 On persistent organic pollutants, Annex I as amended

Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 1 as amended

Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 2 as amended

Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 3 as amended

Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex V as amended

Not listed.

Regulation (EC) No. 166/2006 Annex II Pollutant Release and Transfer Registry

Not listed.

Regulation (EC) No. 1907/2006, REACH Article 59(1) Candidate List as currently published by ECHA

Not listed.

Authorisations

Regulation (EC) No. 143/2011 Annex XIV Substances Subject to Authorisation

Not listed.

Restrictions on use

Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use as amended

Not listed.

Directive 2004/37/EC: on the protection of workers from the risks related to exposure to carcinogens and mutagens at work

Not regulated.

Directive 92/85/EEC: on the safety and health of pregnant workers and workers who have recently given birth or are breastfeeding

Not regulated.

Other EU regulations

Directive 96/82/EC (Seveso II) on the control of major-accident hazards involving dangerous substances

Not regulated.

Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

Distillates (petroleum), hydrotreated light (CAS 64742-47-8)

Directive 94/33/EC on the protection of young people at work

Not listed.

Other regulations

The product is classified and labelled in accordance with EC directives or respective national laws. This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006.

National regulations

Not available.

15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out.

SECTION 16: Other information

List of abbreviations

DNEL: Derived No-Effect Level. PNEC: Predicted No-Effect Concentration. PBT: Persistent, bioaccumulative and toxic. vPvB: Very Persistent and very Bioaccumulative.

References

Not available.

Information on evaluation method leading to the classification of mixture

The mixture is classified based on test data for physical hazards. The classification for health and environmental hazards is derived by a combination of calculation methods and test data, if available. For details, refer to Sections 9, 11 and 12.

Wording of the R-phrases in sections 2 and 3

R51/53 Toxic to aquatic organisms, 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.

Training information

Not available.

Disclaimer

The information contained in this data sheet is based on present scientific and technical knowledge. The purpose of this information is to draw attention to the health and safety aspects concerning the products supplied by PGW, and to recommend precautionary measures for the storage and handling 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.