

MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Material name Aquapel® Glass Treatment
Version # 01
Revision date 09-07-2010
CAS # Mixture
Product code 47100, 47101, 47102, 47103, 98990A, 98994
MSDS Number 01-M
Product use Rain/water repellant treatment for glass surfaces.
Manufacturer/Supplier Pittsburgh Glass Works, LLC
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Pittsburgh, PA 15212 US
info@pgwglass.com
General Assistance (8-5 M-F): +1-800-861-4999
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Asia Pacific +1-760-476-3960
Access code 333225

2. Hazards Identification

Physical state Liquid.
Appearance Colorless liquid.
Emergency overview CAUTION

Harmful if swallowed. Can enter lungs and cause damage. Prolonged or repeated contact may dry skin and cause irritation.

OSHA regulatory status This product is considered hazardous under 29 CFR 1910.1200 (Hazard Communication).

Potential health effects

Routes of exposure Inhalation. Ingestion. Skin contact. Eye contact.

Eyes Moderately irritating to the eyes.

Skin Mildly irritating to skin. Prolonged contact may cause dryness of the skin.

Inhalation Irritating to respiratory system. May be harmful if inhaled.

Ingestion Harmful if swallowed. Can enter lungs and cause damage. Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia.

Target organs Skin. Eyes. Respiratory system. Central nervous system.

Chronic effects Organic solvents may be absorbed into the body by inhalation and cause permanent damage to the nervous system, including the brain.

Signs and symptoms Moderately irritating to eyes and respiratory tract. Prolonged or repeated contact may dry skin and cause irritation.

Potential environmental effects The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

3. Composition / Information on Ingredients

Components	CAS #	Percent
DISTILLATES (PETROLEUM), HYDROTREATED LIGHT	64742-47-8	60 - 100

Composition comments All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4. First Aid Measures

First aid procedures

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

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.
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.
Ingestion	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Rinse mouth thoroughly. Do not induce vomiting without advice from poison control center. If vomiting occurs, keep head low so that stomach content does not get into the lungs.
Notes to physician	Treat symptomatically.
General advice	Keep victim warm. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

5. Fire Fighting Measures

Flammable properties	Class IIIB Combustible Liquid.
Extinguishing media	
Suitable extinguishing media	Foam. Dry powder. Carbon dioxide (CO ₂). Water Spray or Fog.
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.
Protection of firefighters	
Specific hazards arising from the chemical	Fire may produce irritating, corrosive and/or toxic gases.
Protective equipment and precautions for firefighters	Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. Wear full protective clothing, including helmet, self-contained positive pressure or pressure demand breathing apparatus, protective clothing and face mask.
Fire fighting equipment/instructions	In case of fire and/or explosion do not breathe fumes. Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.
Specific methods	In the event of fire and/or explosion do not breathe fumes.
Hazardous combustion products	Carbon oxides. Silicon oxides. Hydrochloric acid.

6. Accidental Release Measures

Personal precautions	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. Avoid inhalation of vapors or mists.
Environmental precautions	Do not contaminate water.
Methods for containment	Stop leak if you can do so without risk. Dike the spilled material, where this is possible. Prevent entry into waterways, sewers, basements or confined areas.
Methods for cleaning up	Large Spills: Dike far ahead of spill for later disposal. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Use clean non-sparking tools to collect absorbed material. Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. Never return spills to original containers for re-use.
Other information	Clean up in accordance with all applicable regulations.

7. Handling and Storage

Handling	Wear protective clothing as described in Section 8 of this safety data sheet. 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.
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Storage	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 MSDS). Keep away from food, drink and animal feedingstuffs. Keep container tightly closed. Do not store in open or unlabelled containers. Keep out of the reach of children.
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8. Exposure Controls / Personal Protection

Occupational exposure limits

Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2)

Components	Type	Value	Form
DISTILLATES (PETROLEUM), HYDROTREATED LIGHT (64742-47-8)	TWA	200 mg/m3	Vapor.

Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended)

Components	Type	Value	Form
DISTILLATES (PETROLEUM), HYDROTREATED LIGHT (64742-47-8)	TWA	200 mg/m3	Non-aerosol.

Exposure guidelines	Use personal protective equipment as required.
Engineering controls	Provide adequate general and local exhaust ventilation. Provide eyewash station. Observe Occupational Exposure Limits and minimize the risk of inhalation of vapors.
Personal protective equipment	
Eye / face protection	Wear safety glasses with side shields (or goggles).
Skin protection	Full body suit and boots are recommended when handling large volumes or in emergency situations. For prolonged or repeated skin contact use suitable protective gloves. Suitable gloves can be recommended by the glove supplier.
Respiratory protection	Use a NIOSH/MSHA approved air purifying respirator as needed to control exposure. Consult with respirator manufacturer to determine respirator selection, use, and limitations. Use positive pressure, air-supplied respirator for uncontrolled releases or when air purifying respirator limitations may be exceeded. Follow respirator protection program requirements (OSHA 1910.134 and ANSI Z88.2) for all respirator use. 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.
General hygiene considerations	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 practice.

9. Physical & Chemical Properties

Appearance	Colorless liquid.
Color	Colorless
Odor	Hydrocarbon-like.
Odor threshold	Not applicable.
Physical state	Liquid.
Form	Liquid.
pH	Not available.
Melting point	Not available.
Freezing point	-106.6 °F (-77 °C)
Boiling point	424.4 - 494.6 °F (218 - 257 °C)
Flash point	> 201.2 °F (> 94 °C)
Evaporation rate	Not available.
Flammability limits in air, upper, % by volume	4.9
Flammability limits in air, lower, % by volume	0.6
Vapor pressure	0.012 kPa
Vapor density	Not available.
Specific gravity	Not available.

Solubility (water)	Not available.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	> 392 °F (> 200 °C)
Decomposition temperature	Not available.

10. Chemical Stability & Reactivity Information

Chemical stability	Stable at normal conditions.
Conditions to avoid	Contact with incompatible materials. Avoid high temperatures. Protect against direct sunlight.
Incompatible materials	Strong oxidizers, strong acids, and strong bases.
Hazardous decomposition products	Carbon oxides. Hydrogen chloride.
Possibility of hazardous reactions	Hazardous polymerization does not occur.

11. Toxicological Information

Acute effects	Vapors may cause drowsiness and dizziness. Prolonged or repeated contact may dry skin and cause irritation. Direct contact with eyes may cause temporary irritation.
Sensitization	This product is not expected to cause skin sensitization.
Chronic effects	Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis. Organic solvents may be absorbed into the body by inhalation and cause permanent damage to the nervous system, including the brain.
Carcinogenicity	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.
Epidemiology	Not available.
Mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
Neurological effects	May cause central nervous system disorder (e.g., narcosis involving a loss of coordination, weakness, fatigue) and/or damage.
Reproductive effects	Contains no ingredient listed as toxic to reproduction

12. Ecological Information

Ecotoxicity	This product's components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.
Environmental effects	Not available.
Persistence and degradability	Expected to be readily biodegradable.
Bioaccumulation / Accumulation	Not available.
Partition coefficient (n-octanol/water)	Not available.
Mobility in environmental media	The product is insoluble in water.

13. Disposal Considerations

Disposal instructions	Empty containers may contain product residues. Dispose of contents/container in accordance with local/regional/national/international regulations.
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14. Transport Information

DOT

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

TDG

Not regulated as dangerous goods.

15. Regulatory Information**US federal regulations**

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

All components are on the U.S. EPA TSCA Inventory List.

CERCLA/SARA Hazardous Substances - Not applicable.

CERCLA (Superfund) reportable quantity (lbs)

None

Superfund Amendments and Reauthorization Act of 1986 (SARA)**Hazard categories**

Immediate Hazard - Yes

Delayed Hazard - Yes

Fire Hazard - No

Pressure Hazard - No

Reactivity Hazard - No

Section 302 extremely hazardous substance

No

Section 311 hazardous chemical

No

Drug Enforcement Agency (DEA)

Not controlled

Canadian regulations

This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

WHMIS status

Controlled

WHMIS classification

D2B - Other Toxic Effects-TOXIC

WHMIS labeling**Inventory status****Country(s) or region****Inventory name****On inventory (yes/no)***

Australia

Australian Inventory of Chemical Substances (AICS)

No

Canada

Domestic Substances List (DSL)

No

Canada

Non-Domestic Substances List (NDSL)

Yes

China

Inventory of Existing Chemical Substances in China (IECSC)

Yes

Europe

European Inventory of Existing Commercial Chemical Substances (EINECS)

Yes

Europe

European List of Notified Chemical Substances (ELINCS)

No

Japan

Inventory of Existing and New Chemical Substances (ENCS)

Yes

Korea

Existing Chemicals List (ECL)

No

New Zealand

New Zealand Inventory

Yes

Philippines

Philippine Inventory of Chemicals and Chemical Substances (PICCS)

No

United States & Puerto Rico

Toxic Substances Control Act (TSCA) Inventory

Yes

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

State regulations

This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

US - Massachusetts RTK - Substance: Listed substance

DISTILLATES (PETROLEUM), HYDROTREATED LIGHT Listed.
(CAS 64742-47-8)

US - New Jersey Community RTK (EHS Survey): Reportable threshold

DISTILLATES (PETROLEUM), HYDROTREATED LIGHT 10000 LBS
(CAS 64742-47-8)

US - Pennsylvania RTK - Hazardous Substances: Listed substance

DISTILLATES (PETROLEUM), HYDROTREATED LIGHT Listed.
(CAS 64742-47-8)

16. Other Information

Further information

HMIS® is a registered trade and service mark of the NPCA.

HMIS® ratings

Health: 1*

Flammability: 1

Physical hazard: 0

NFPA ratings

Health: 1

Flammability: 1

Instability: 0

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.

Issue date

09-07-2010