

MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Product identifier Aquapel® Glass Treatment
Version # 01
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CAS # Mixture
Product code 47100, 47101, 47102, 47103, 98990A, 98994, 98989A, 98991A, 98990FR, 98994FR, 94525, 47103, 47104, 47100
MSDS Number 01-M
Product use Rain/water repellent treatment for glass surfaces.
Manufacturer information Pittsburgh Glass Works LLC.
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Access code 333225

2. Hazards Identification

Emergency overview WARNING
Harmful if swallowed, can enter lungs and cause damage. Causes skin irritation.

Potential health effects
Routes of exposure Inhalation. Eyes. Skin. Ingestion.
Eyes Direct contact with eyes may cause temporary irritation.
Skin Causes skin irritation.
Inhalation Vapors may irritate throat and respiratory system and cause coughing. In high concentrations, vapors are narcotic and may cause headache, fatigue, dizziness and nausea.
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 Vapors may cause drowsiness and dizziness. Symptoms include itching, burning, redness, and tearing of eyes. Prolonged or repeated contact may dry skin and cause irritation. Be aware that symptoms of chemical pneumonia (shortness of breath) may occur several hours after exposure.
Potential environmental effects Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic 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

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 with plenty of water for up to 15 minutes. Remove any contact lenses and open eyelids wide apart. Get medical attention if any discomfort continues.
Ingestion	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Rinse mouth thoroughly. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Never give anything by mouth to a victim who is unconscious or is having convulsions. Do not induce vomiting without advice from poison control center.

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

This product is not flammable or combustible. Will burn if involved in a fire.

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.

Protection of firefighters

Specific hazards arising from the chemical During fire, gases hazardous to health may be formed.

Protective equipment for firefighters Selection of respiratory protection for firefighting: follow the general fire precautions indicated in the workplace. Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Fire fighting equipment/instructions

Use water spray to cool unopened containers. Move containers from fire area if you can do so without risk.

Explosion data

Sensitivity to static discharge Material can accumulate static charges which may cause an incendiary electrical discharge.

Sensitivity to mechanical impact This is a stable material.

Hazardous combustion products

Carbon oxides. Hydrogen chloride.

6. Accidental Release Measures

Personal precautions

Keep unnecessary personnel away. Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. Keep out of low areas.

Environmental precautions

Do not contaminate water.

Methods for containment

Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Prevent entry into waterways, sewers, basements or confined areas.

Methods for cleaning up

Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate area). Take precautionary measures against static discharge. Use only non-sparking tools. Keep combustibles (wood, paper, oil, etc.) away from spilled material.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water.

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. Avoid breathing mists or vapors. Avoid contact with skin and eyes. Do not taste or swallow. Do not eat, drink or smoke when using the product. Use only with adequate ventilation. In case of inadequate ventilation, use respiratory protection. Wash thoroughly after handling. Eliminate all sources of ignition. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

Storage

Store in a well-ventilated place. Store in a cool place. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Store in accordance with local/regional/national/international regulation. Keep only in the original container in a cool, well-ventilated place. Store away from incompatible materials (see Section 10 of the MSDS). Keep away from food, drink and animal feedingstuffs. Do not store in open or unlabelled containers. Keep out of the reach of children. Protect from direct sunlight.

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 (CAS 64742-47-8)	TWA	200 mg/m ³	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 (CAS 64742-47-8)	TWA	200 mg/m ³	Non-aerosol.

Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents)

Components	Type	Value	Form
Distillates (petroleum), hydrotreated light (CAS 64742-47-8)	STEL	10 mg/m ³	Mist.
	TWA	5 mg/m ³	Mist.

Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment)

Components	Type	Value	Form
Distillates (petroleum), hydrotreated light (CAS 64742-47-8)	STEL	10 mg/m ³	Mist.
	TWA	5 mg/m ³	Mist.

Exposure guidelines

Canada - Alberta OELs: Skin designation

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

Can be absorbed through the skin.

Canada - British Columbia OELs: Skin designation

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

Can be absorbed through the skin.

Canada - Saskatchewan OELs: Skin designation

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

Can be absorbed through the skin.

Engineering controls Use explosion-proof equipment. Provide adequate general and local exhaust ventilation. Observe Occupational Exposure Limits and minimize the risk of inhalation of vapors. Provide eyewash station.

Personal protective equipment

Eye / face protection Wear safety glasses with side shields (or goggles).

Skin protection Wear suitable protective clothing. Full body suit and boots are recommended when handling large volumes or in emergency situations. Wear protective gloves. Be aware that the liquid may penetrate the gloves. Frequent change is advisable. Suitable gloves can be recommended by the glove supplier.

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 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.

9. Physical & Chemical Properties**Appearance**

Physical state Liquid.

Form Liquid.

Color Colorless.

Odor Hydrocarbon-like.

Odor threshold Not available.

pH Not available.

Vapor pressure Not available.

Vapor density Not available.

Boiling point 424.4 - 494.6 °F (218 - 257 °C)

Melting point/Freezing point -106.6 °F (-77 °C)

Solubility (water) Not available.

Specific gravity 0.791 @ 15.6 °C (60.08 °F)

Flash point > 201.2 °F (> 94.0 °C)

Flammability limits in air, upper, % by volume 4.9

Flammability limits in air, lower, % by volume 0.6

Auto-ignition temperature > 392 °F (> 200 °C)

Evaporation rate Not available.

Partition coefficient (n-octanol/water) No data available.

Other data

Flammability (solid, gas) Not applicable.

10. Chemical Stability & Reactivity Information

Reactivity The product is stable and non reactive under normal conditions of storage and transport.

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	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.
Sensitization	This product is not expected to cause skin sensitization.
Chronic effects	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.
Skin corrosion/irritation	Causes skin irritation.
Serious eye damage/irritation	Direct contact with eyes may cause temporary irritation.
Neurological effects	May cause central nervous system disorder (e.g., narcosis involving a loss of coordination, weakness, fatigue) and/or damage.
Mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
Reproductive effects	Contains no ingredient listed as toxic to reproduction.
Teratogenicity	No data available.
Symptoms and target organs	Vapors may cause drowsiness and dizziness. Symptoms include itching, burning, redness, and tearing of eyes. Be aware that symptoms of chemical pneumonia (shortness of breath) may occur several hours after exposure.
Synergistic materials	No data available.

12. Ecological Information

Ecotoxicological data	No ecotoxicity data noted for the ingredient(s).
Ecotoxicity	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Environmental effects	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
Aquatic toxicity	Toxic to aquatic organisms.
Persistence and degradability	The product is not expected to be readily biodegradable.
Bioaccumulation / accumulation	No data available.
Partition coefficient	No data available.
Mobility in environmental media	The product is insoluble in water. The product contains organic solvents which will evaporate easily from all surfaces.
Other adverse effects	The product contains a substance which has a photochemical ozone creation potential.

13. Disposal Considerations

Disposal instructions	Dispose of contents/container in accordance with local/regional/national/international regulations.
Waste from residues / unused products	Dispose of in accordance with local regulations.
Contaminated packaging	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Residual vapors may explode on ignition; do not cut, drill, grind, or weld on or near this container.

14. Transport Information

TDG	
UN number	UN3082
UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (DISTILLATES (PETROLEUM), HYDROTREATED LIGHT)
Transport hazard class(es)	
Class	9
Subsidiary risk	-
Packing group	III

Environmental hazards Yes
Special precautions for user Read safety instructions, MSDS and emergency procedures before handling.

IATA

UN number UN3082
UN proper shipping name Environmentally hazardous substance, liquid, n.o.s. (DISTILLATES (PETROLEUM), HYDROTREATED LIGHT)
Transport hazard class(es)
Class 9
Subsidiary risk -
Label(s) 9
Packing group III
Environmental hazards Yes
ERG Code 9L
Special precautions for user Read safety instructions, MSDS and emergency procedures before handling.

IMDG

UN number UN3082
UN proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (DISTILLATES (PETROLEUM), HYDROTREATED LIGHT)
Transport hazard class(es)
Class 9
Subsidiary risk -
Label(s) 9
Packing group III
Environmental hazards
Marine pollutant Yes
EmS F-A, S-F
Special precautions for user Read safety instructions, MSDS and emergency procedures before handling.

General information 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.

15. Regulatory Information

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



International Inventories

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

Country(s) or region	Inventory name	On inventory (yes/no)*
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s).

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other Information

Further information	HMIS® is a registered trade and service mark of the NPCA. G - Safety Glasses, Gloves, Vapor Respirator
HMIS® ratings	Health: 2* Flammability: 1 Physical hazard: 0 Personal protection: G
NFPA ratings	Health: 2 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.
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