



WINDOW JETKLEER

Page: 1 of 6
 Date Prepared: March 15, 2015
 MSDS No.: 1846

SECTION 1: IDENTIFICATION

Product name: WINDOW JETKLEER

Recommended use: Window cleaner

Physical Description: Clear blue liquid with mild odor

Generic Ingredients: Water, glycol ether, surfactant

Manufacturer:

Penetone Corporation
 700 Gotham Parkway
 Carlstadt, NJ 07072
 800-631-1652 or 201-567-3000

Business Contact:

Customer Service
 800-631-1652 x2602 or 2272
 Product Safety
 800-631-1652 x2211 or 2257

Emergency Phone Numbers: **PENETONE 201-567-3000** **CHEMTREC 800-424-9300**

SECTION 2: HAZARDS IDENTIFICATION

GHS CLASSIFICATION:

Health: Eye irritation: 2B	Physical: not classified
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WARNING!
 Causes Eye Irritation.



Precautions:	
<u>Prevention:</u> Wear protective gloves, clothing, eye protection, and face protection. Wash hands and exposed skin thoroughly after handling.	<u>Response:</u> <i>If in eyes:</i> 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.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS#	Concentration Wt% (1)
Water	7732-18-5	>90
Propylene glycol methyl ether	107-98-2	1-10

(1) Exact percentages being withheld under trade secret provision of OSHA HCS 1910.1200(i)

SECTION 4: FIRST-AID MEASURES

General Description of Symptoms & First-Aid Measures

Most likely work-place exposure routes will be *skin contact* or *inhalation*. For *skin contact*, product is nonirritating and no effects should be observed. Although product is nonirritating by *Inhalation*, inhalation of aerosol droplets/mist might result in coughing or sneezing.

Eyes

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 or develops: Get medical advice or attention. Penetone recommends that after any eye exposure a physician be seen immediately.



WINDOW JETKLEER

Page: 2 of 6
Date Prepared: March 15, 2015
MSDS No.: 1846

Ingestion

If swallowed: Rinse mouth. Call a poison center, doctor, physician or other competent medical authority if you feel unwell.

Inhalation

If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center, doctor, physician or other competent medical authority if you feel unwell.

Skin

If on skin: Wash with plenty of water or a mild soap. Take off contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical advice or attention.

Special Treatment / Other

None

SECTION 5: FIRE FIGHTING MEASURES

Flammable Properties

Classification: Non-flammable

Flash Point: None-to-boil

Autoignition Temperature: not applicable

Lower Flammable Limit: Not applicable **Upper Flammable Limit:** Not applicable

Specific Hazards

Product is water based and presents no unusual fire hazards.

Extinguishing Media

Suitable: SMALL FIRE: Use dry chemical, carbon dioxide (CO₂), water spray or regular foam. LARGE FIRE: water spray, water fog, or foam.

Unsuitable: None.

Protection & Precautions for Firefighters

Protective Equipment & Clothing: Wear positive pressure self-contained breathing apparatus (SCBA). Structural firefighters protective clothing will only provide limited protection.

Fire Fighting Guidance: Cool containers with flooding quantities of water until well after fire is out. Move containers from fire area if you can do it safely. Dike fire control water for later disposal; do not scatter material. Containers can expand and explode under fire conditions due to vapor buildup. Always stay away from containers engulfed in fire.

Hazardous Combustion Products: Smoke, fumes, and oxides of NNNNN when taken to dryness.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Land Spill

Stop leak if you can do it safely. For large spills, dike and pump into properly labeled containers for reclamation or disposal. For small spill, soak up with absorbent material and place in properly labeled containers for disposal.

Water Spill

This is a water based product and will completely mix/dissolve in water making recovery difficult. Check with local environmental regulatory agencies for reporting requirements.

See SECTION 8 for EXPOSURE CONTROLS and PERSONAL PROTECTION.



WINDOW JETKLEER

Page: 3 of 6
Date Prepared: March 15, 2015
MSDS No.: 1846

SECTION 7: HANDLING & STORAGE

Handling

Avoid contact with eyes, skin and clothing. After handling, always wash hands thoroughly with soap and water. Avoid personal contact with any residue. Do not cut, weld, or reuse empty container.

Storage

Keep container tightly closed when not in use. Do not store near strong acids or bases. Do not store in direct sunlight. Avoid storing above 120°F (49°C).

SECTION 8: EXPOSURE CONTROLS and PERSONAL PROTECTION

Engineering Controls

Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits.

Personal Protection

Inhalation A respiratory protection program that meets OSHA's 29 CFR 1910.134 or ANSI Z88.2 requirements must be followed whenever workplace conditions warrant respirator use. Use of an organic vapor mask or respirator is recommended.

Skin Wear chemical resistant gloves such as: rubber, nitrile, neoprene, or latex when skin contact is possible. Protective clothing including gloves, apron, sleeves, boots, head and face protection should be worn depending on how the product is used. PPE should be cleaned thoroughly after each use.

Eyes Penetone recommends always wearing safety glasses as a minimum in any workplace. Conditions may warrant the use of chemical goggles and possibly a face shield. Consult your standard operating procedure or safety professional for advice. Use protective eye and face devices that comply with ANSI Z87.1-1987.

Additional Remarks

Selection of appropriate personal protective equipment should be based on an evaluation of the performance characteristics of the protective equipment relative to the task(s) to be performed, conditions present, duration of use, and the hazards and/or potential hazards that may be encountered during use.

Occupational Exposure Limits

<u>Component Name</u>	<u>Source</u>	<u>Value</u>	<u>Type</u>	<u>Notation</u>
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No OELs have been established for any of the components

SECTION 9: PHYSICAL & CHEMICAL PROPERTIES

Appearance: clear blue liquid

Odor: mild

Odor Threshold: not determined

pH: 9.0-9.5

Melting Point / Freezing: 32°F

Boiling Point / Boiling Point Range: 212°F

Flash Point: none to boil

Evaporation Rate: equal to water

Flammability: not applicable

Lower Flammable Limit: not applicable

Upper Flammable Limit: not applicable



WINDOW JETKLEER

Page: 4 of 6
Date Prepared: March 15, 2015
MSDS No.: 1846

Explosive Properties: not applicable
Vapor Pressure: equal to water
Relative Vapor Density: equal to water
Relative Density: 1.00
Solubility (Water): soluble
Partition Coefficient (K_{ow}): not determined
Auto-ignition temperature: not applicable
Decomposition temperature: not applicable
Viscosity: equal to water
Additional Physical and Chemical Properties:

SECTION 10: STABILITY & REACTIVITY

Reactivity

Product is not reactive, but if strong acids or bases are added, heat will be generated which could cause splattering.

Chemical Stability

Stable.

Hazardous Reactions

None.

Conditions to Avoid

Do not store near strong acids or bases.

Incompatible Materials

Strong acids or bases.

Hazardous Decomposition Products

Oxides of carbon and nitrogen when taken to dryness and burned.

SECTION 11: TOXICOLOGICAL INFORMATION

Product Summary

Product is non-toxic and non-irritating to the skin and may cause minor irritation to the eyes.

Acute Toxicity:

Dermal: LD50 > 10,000 mg/kg rabbit (estimated using additivity formula).

Inhalation: no data available

Oral: LD50 > 10,000 mg/kg rat (estimated using additivity formula).

Skin Corrosion/Irritation

Non-irritating. Based upon component information.

Serious Eye Damage/Irritation

May cause minor eye irritation. Based upon component information.

Sensitization - Respiratory or Skin

Nonsensitizing based upon component information.

Germ Cell Mutagenicity

Not expected to cause germ cell mutations based upon component information.



WINDOW JETKLEER

Page: 5 of 6
Date Prepared: March 15, 2015
MSDS No.: 1846

Carcinogenicity

No material in this product is listed by IARC, NTP, or OSHA as a carcinogen.

Reproductive Toxicity

Not expected to be a reproductive toxicant based upon component information.

Specific Target Organ Effects - Single Exposure

No data.

Specific Target Organ Effects - Repeated or Prolonged Exposure

No data.

Aspiration Hazard

Based upon components, product not expected to be an aspiration hazard.

SECTION 12: ECOLOGICAL INFORMATION

Product Summary

Non-toxic to fish. Estimated LC50/EC50 > 10,000 mg/l (using additivity formula)

Persistence and Degradability

Based upon component data, readily biodegradable.

Bioaccumulative Potential

Based upon component data, not expected to bioaccumulate.

Mobility in soil

Stays in water, does not adsorb onto soil.

Other Adverse Effects

None known

SECTION 13: DISPOSAL CONSIDERATIONS

Product is a nonhazardous waste under RCRA definitions. Dispose of contents/container in accordance with all applicable federal, state, and local regulations.

Note: Contaminated product, soil, water, container residues and spill cleanup materials may be hazardous wastes. Appropriate hazardous waste designation is the responsibility of the user.

SECTION 14: TRANSPORT INFORMATION

ID No.:	Not applicable, nonhazardous (nonregulated) material
Proper Shipping Name:	Not applicable
Hazard Class:	Not applicable
Packing Group:	Not applicable
Label:	None
Marine Pollutant:	Not applicable
RQ:	None
Special Precautions:	None



WINDOW JETKLEER

Page: 6 of 6
 Date Prepared: March 15, 2015
 MSDS No.: 1846

SECTION 15: REGULATORY INFORMATION

TSCA

The ingredients in this product are listed on the TSCA inventory.

RCRA HAZARD CLASS

Nonhazardous waste

SARA 311/312 REPORTABLE HAZARD CATEGORIES: Immediate (Acute) Health

REPORTING REQUIREMENTS (all quantities in pounds)

Component	CAS / 313 Code	Section 302 (EHS) TPQ	Section 304 EHS RQ	CERCLA RQ	Section 313	CAA 112(r) TQ	CWA / OPA
no component is subject to reporting requirements							

NEW JERSEY RIGHT-TO-KNOW INFORMATION

This product contains water (7732-18-5) and propylene glycol methyl ether (CAS 107-98-2).

CALIFORNIA PROPOSITION 65 INFORMATION

This product does not contain any chemicals recognized by the state of California to cause cancer and/or birth defects or reproductive harm.

SCAQMD INFORMATION

Is there a photochemically reactive material present? No
 What is the % by volume of photochemically reactive material? 0
 What is the VOC content? 42 g/l
 What is the vapor pressure of VOC's? Less than 0.5 mm Hg @ 20°C

SECTION 16: OTHER INFORMATION

REVISION SUMMARY

New GHS format

SUPERSEDES ISSUE DATE

April 31, 2013

HAZARD RATING SYSTEMS:

	<u>HMIS</u>	<u>NFPA</u>
HEALTH	1	1
FLAMMABILITY	0	0
REACTIVITY	0	0
	B	

KEY
 4 = Severe
 3 = Serious
 2 = Moderate
 1 = Slight
 0 = Minimal

FOR ADDITIONAL PRODUCT INFORMATION, CONTACT YOUR SALES ENGINEER
 FOR ADDITIONAL HEALTH/SAFETY INFORMATION, CALL 201-567-3000

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