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
125 Kingsland Ave.
Clifton, NJ 07014
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

WARNING!
Causes Eye Irritation.

Precautions:

Prevention:
Wear protective gloves, clothing, eye protection, and face protection.
Wash hands and exposed skin thoroughly after handling.

Response:
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.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS#</th>
<th>Concentration Wt% (1)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td>7732-18-5</td>
<td>&gt;90</td>
</tr>
<tr>
<td>Propylene glycol methyl ether</td>
<td>107-98-2</td>
<td>1-10</td>
</tr>
</tbody>
</table>

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

SECTION 4: FIRST-AID MEASURES

General Description of Symptoms & First-Aid Measures
Most likely workplace 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.
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.
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**

<table>
<thead>
<tr>
<th>Component Name</th>
<th>Source</th>
<th>Value</th>
<th>Type</th>
<th>Notation</th>
</tr>
</thead>
</table>

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
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<sub>ow</sub>): 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.
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
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)

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS / 313 Code</th>
<th>Section 302 (EHS) TPQ</th>
<th>Section 304 EHS RQ</th>
<th>CERCLA RQ</th>
<th>Section 313</th>
<th>CAA 112(r) TQ</th>
<th>CWA / OPA</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>no component is subject to reporting requirements</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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
Change in Section 1

SUPERSEDES ISSUE DATE
March 15, 2015

HAZARD RATING SYSTEMS:

<table>
<thead>
<tr>
<th>HMIS</th>
<th>NFPA</th>
<th>KEY</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1</td>
<td>4 = Severe</td>
</tr>
<tr>
<td>0</td>
<td>0</td>
<td>3 = Serious</td>
</tr>
<tr>
<td>0</td>
<td>0</td>
<td>2 = Moderate</td>
</tr>
<tr>
<td>B</td>
<td></td>
<td>1 = Slight</td>
</tr>
<tr>
<td></td>
<td></td>
<td>0 = Minimal</td>
</tr>
</tbody>
</table>

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

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