## 1 Product and Company Identification

<table>
<thead>
<tr>
<th>Product identifier</th>
<th>ActiClean™ Gel</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS #</td>
<td>Glass cleaner</td>
</tr>
<tr>
<td>Recommended restrictions</td>
<td>None known</td>
</tr>
</tbody>
</table>

**Manufacturer information**

- Trojan Technologies
  - 3020 Gore Road
  - London, ON N5V 4T7 CA
  - Phone: 519-457-3400
  - Phone: 888-220-6118

- CANUTEC
  - Phone: 613-996-6666

**Australian supplier**

- Alastair MacNab
  - Trojan Technologies Group ULC
  - 96 Ricketts Road
  - MOUNT WAVERLY VIC 3149
  - Phone: 011 03 97283953
  - Mobile: 011 0488 080069

## 2 Hazards Identification

### Physical hazards
Not classified

### Health hazards
Not classified

### Environmental hazards
Not classified

### WHMIS 2015 defined hazards

<table>
<thead>
<tr>
<th>Label elements</th>
<th>Hazard symbol</th>
<th>Signal word</th>
<th>Hazard statement</th>
<th>Precaution statement</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>None</td>
<td>None</td>
<td>The mixture does not meet the criteria for classification.</td>
<td>Prevention: Observe good industrial hygiene practices. Response: Wash hands after handling. Storage: Store away from incompatible materials. Disposal: Dispose of waste and residues in accordance with local authority requirements.</td>
</tr>
</tbody>
</table>

### WHMIS 2015: Health Hazard(s) not otherwise classified (HHNOC)
None known

### WHMIS 2015: Physical Hazard(s) not otherwise classified (PHNOC)
None known

### Hazard(s) not otherwise classified (HNOC)
None known

### Supplemental information
None

## 3 Composition/Information on Ingredients

**Mixture Composition comments**

This product is considered non-hazardous by WHMIS/OSHA criteria.
4 First Aid Measures

Inhalation
If symptoms develop move victim to fresh air. If symptoms persist, obtain medical attention.

Skin Contact
Flush with cool water. Wash with soap and water. Obtain medical attention if irritation persists.

Eye Contact
Hold eye open and rinse gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.

Ingestion
Rinse mouth. Do not induce vomiting. If vomiting occurs, have victim lean forward to reduce risk of aspiration. Never give anything by mouth if victim is unconscious, or convulsing.

Most important symptoms/effects, acute and delayed
Direct contact with eyes may cause temporary irritation.

Indication of immediate medical attention and special treatment needed
Treat patient symptomatically.

General Information
If feeling unwell, seek medical advice (show the label and SDS where possible). Ensure medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Avoid contact with eyes and skin. Keep out of reach of children.

5 Fire Fighting Measures

Suitable extinguishing media

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

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

Special protective equipment and precautions for firefighters
Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Fire-fighting equipment/instructions
Move containers from fire area if you can do so without risk.

Specific methods
Use standard firefighting procedures and consider the hazards of other involved materials.

General fire hazards
No unusual fire or explosion hazards noted.

Hazardous combustion Products
May include and are not limited to: Oxides of carbon.

6 Accidental Release Measures

Personal precautions, protective equipment and emergency procedures
Keep unnecessary personnel away. For personal protection, refer to Section 8.

Methods and materials for containment and cleanup
Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. 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.

Environmental precautions
Never return spills to original containers for re-use. For waste disposal, refer to Section 13.
7 Handling and Storage

**Precautions for safe handling**
Wash thoroughly after handling. Use good industrial hygiene practices in handling this material. When using do not eat or drink.

**Conditions for safe storage, including any incompatibilities**
Store in original tightly closed container. Store away from incompatible materials (refer to Section 10). Keep out of reach of children.

8 Exposure Controls/Personal Protection

**Occupational exposure limits**
No exposure limits noted for ingredient(s).

**Biological limit values**
No biological exposure limits noted for the ingredient(s).

**Appropriate engineering controls**
Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

**Individual protection measures, such as personal protective equipment, Eye/face protection**

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

**Skin protection:**

**Hand protection**
Impervious gloves. Confirm with reputable supplier first.

**Other**
Wear suitable protective clothing. As required by employer code.

**Respiratory protection**
Not normally required.

**Thermal hazards**
Not applicable

**General hygiene considerations**
Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. When using do not eat or drink.

9 Physical and Chemical Properties

**Appearance**
Gel

**Physical State**
Liquid

**Form**
Gel

**Colour**
Off-white

**Odor**
Odorless

**Odor Threshold**
Not available

**pH**
1

**Melting Point / Freezing Point**
-5°C (23°F)

**Initial Boiling Point**
> 100°C (> 212°F)

**Pour Point**
Not available

**Specific gravity**
1.1

**Partition coefficient (n-octanol/water)**
Not available

**Flash Point**
Not available

**Evaporation Rate**
Not available

**Flammability (solid, gas)**
Not applicable

**Upper/Lower Explosive Limits**
Not available

**Vapor Pressure**
Not available

**Vapor Density**
Not available

**Relative Density**
Not available

**Solubility(ies)**
Not available

**Auto-ignition Temperature**
Not available
## Decomposition Temperature
- Not available

## Viscosity
- Viscous

### Other information:
- **Explosive properties**: Not explosive
- **Oxidizing properties**: Not oxidizing

### 10 Stability and Reactivity

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reactivity</td>
<td>Reacts violently with strong alkaline substances. This product may react with reducing agents. This product may react with strong oxidizing agents.</td>
</tr>
<tr>
<td>Possibility of hazardous reactions</td>
<td>No dangerous reaction known under conditions of normal use.</td>
</tr>
<tr>
<td>Chemical stability</td>
<td>Material is stable under normal conditions.</td>
</tr>
<tr>
<td>Conditions to avoid</td>
<td>Do not mix with other chemicals.</td>
</tr>
<tr>
<td>Incompatible materials</td>
<td>Not corrosive to SAE 1020 Steel or non-clad Aluminum based on test data (UN Manual of Tests and Criteria, Part III, Section 37.1-Corrosion to metals). May react with soft metals such as aluminum and zinc producing flammable hydrogen gas, Caustics, and Lead.</td>
</tr>
<tr>
<td>Hazardous decomposition products</td>
<td>May include and are not limited to: Oxides of carbon.</td>
</tr>
</tbody>
</table>

### 11 Toxicological Information

<table>
<thead>
<tr>
<th>Route of exposure</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eye</td>
<td>Expected to be a low ingestion hazard. May cause stomach distress, nausea or vomiting.</td>
</tr>
<tr>
<td>Skin contact</td>
<td>Not corrosive or irritating to skin based on test data.</td>
</tr>
<tr>
<td>Inhalation</td>
<td>Health injuries are not known or expected under normal use.</td>
</tr>
<tr>
<td>Skin corrosion/irritation</td>
<td>Prolonged skin contact may cause temporary irritation.</td>
</tr>
<tr>
<td>Exposure minutes</td>
<td>Not available</td>
</tr>
<tr>
<td>Erythema value</td>
<td>Not available</td>
</tr>
<tr>
<td>Oedema value</td>
<td>Not available</td>
</tr>
<tr>
<td>Corneal opacity value</td>
<td>Direct contact with eyes may cause temporary irritation.</td>
</tr>
<tr>
<td>Iris lesion value</td>
<td>Direct contact with eyes may cause temporary irritation.</td>
</tr>
<tr>
<td>Conjunctival reddening value</td>
<td>Direct contact with eyes may cause temporary irritation.</td>
</tr>
<tr>
<td>Recover days</td>
<td>Direct contact with eyes may cause temporary irritation.</td>
</tr>
<tr>
<td>Respiratory or skin sensitization</td>
<td>Not a respiratory sensitizers.</td>
</tr>
<tr>
<td>Respiratory sensitization</td>
<td>Not a respiratory sensitizers.</td>
</tr>
<tr>
<td>Skin sensitization</td>
<td>This product is not expected to cause skin sensitization.</td>
</tr>
<tr>
<td>Mutagenicity</td>
<td>No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.</td>
</tr>
</tbody>
</table>
Carcinogenicity

US - California Proposition 65 - CRT: Listed date/Carcinogenic substance
Crystalline silica (CAS 14808-60-7)

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)
Not listed

Reproductive toxicity
This product is not expected to cause reproductive or developmental effects.

Teratogenicity
Not available

Specific target organ toxicity (single exposure)
Not classified

Specific target organ toxicity (repeated exposure)
Not classified

Aspiration hazard
Not an aspiration hazard.

12 Ecological Information

Ecotoxicity
Not available

Persistence and degradability
Not available

Bioaccumulative potential
Not available

Mobility in soil
Not available

Mobility in general
Not available

Other adverse effects
Not available

13 Disposal Information

Disposal instructions
Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose in accordance with all applicable regulations.

Local disposal regulations
Dispose in accordance with all applicable regulations.

Hazardous waste code
The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

Waste from residues / unused products
Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

Contaminated packaging
Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

14 Transport Information

Transport of Dangerous Goods (TDG) Proof of Classification
In accordance with Part 2.2.1 (SOR/2014-152) of the Transportation of Dangerous Goods. Regulations, we certify that the classification of this product is correct as of the SDS date of issue.

U.S. Department of Transportation (DOT)
Not regulated as dangerous goods.

Transportation of Dangerous Goods (TDG - Canada)
Not regulated as dangerous goods.
15. Regulatory Information

<table>
<thead>
<tr>
<th>Description</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Canadian federal regulations</strong></td>
<td></td>
</tr>
<tr>
<td>Canada DSL Challenge Substances: Listed substance</td>
<td></td>
</tr>
<tr>
<td>Crystalline silica (CAS 14808-60-7)</td>
<td>Listed</td>
</tr>
<tr>
<td>Export Control List (CEPA 1999, Schedule 3)</td>
<td>Not listed</td>
</tr>
<tr>
<td>Greenhouse Gases</td>
<td>Not listed</td>
</tr>
<tr>
<td>Precursor Control Regulations</td>
<td>Not regulated</td>
</tr>
<tr>
<td><strong>WHMIS 2015 Classifications</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Not applicable</td>
</tr>
<tr>
<td><strong>US federal regulations</strong></td>
<td></td>
</tr>
<tr>
<td>TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)</td>
<td>Not regulated</td>
</tr>
<tr>
<td>CERCLA Hazardous Substance List (40 CFR 302.4)</td>
<td></td>
</tr>
<tr>
<td>Phosphoric acid (CAS 7664-38-2)</td>
<td>Listed</td>
</tr>
<tr>
<td></td>
<td>Not listed</td>
</tr>
<tr>
<td><strong>Superfund Amendments and Reauthorization Act of 1986 (SARA)</strong></td>
<td></td>
</tr>
<tr>
<td>Hazard categories</td>
<td></td>
</tr>
<tr>
<td>Immediate Hazard</td>
<td>- No</td>
</tr>
<tr>
<td>Delayed Hazard</td>
<td>- No</td>
</tr>
<tr>
<td>Fire Hazard</td>
<td>- No</td>
</tr>
<tr>
<td>Pressure Hazard</td>
<td>- No</td>
</tr>
<tr>
<td>Reactivity Hazard</td>
<td>- No</td>
</tr>
<tr>
<td><strong>SARA 302 Extremely hazardous substance</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>No</td>
</tr>
<tr>
<td><strong>SARA 311/312 Hazardous chemical</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>No</td>
</tr>
<tr>
<td><strong>SARA 313 (TRI reporting)</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Not regulated</td>
</tr>
<tr>
<td><strong>Other federal regulations</strong></td>
<td></td>
</tr>
<tr>
<td>Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List</td>
<td>Not regulated</td>
</tr>
<tr>
<td>Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)</td>
<td>Not regulated</td>
</tr>
<tr>
<td><strong>US state regulations</strong></td>
<td></td>
</tr>
<tr>
<td><strong>US - California Hazardous Substances (Director's): Listed substance</strong></td>
<td></td>
</tr>
<tr>
<td>Phosphoric acid (CAS 7664-38-2)</td>
<td>Listed</td>
</tr>
<tr>
<td><strong>US - Illinois Chemical Safety Act: Listed substance</strong></td>
<td></td>
</tr>
<tr>
<td>Phosphoric acid (CAS 7664-38-2)</td>
<td>Listed</td>
</tr>
<tr>
<td><strong>US - Louisiana Spill Reporting: Listed substance</strong></td>
<td></td>
</tr>
<tr>
<td>Phosphoric acid (CAS 7664-38-2)</td>
<td>Listed</td>
</tr>
<tr>
<td><strong>US - Minnesota Haz Subs: Listed substance</strong></td>
<td></td>
</tr>
<tr>
<td>Crystalline silica (CAS 14808-60-7)</td>
<td>Listed</td>
</tr>
<tr>
<td>Phosphoric acid (CAS 7664-38-2)</td>
<td>Listed</td>
</tr>
<tr>
<td>Urea (CAS 57-13-6)</td>
<td>Listed</td>
</tr>
<tr>
<td><strong>US - New Jersey RTK - Substances: Listed substance</strong></td>
<td></td>
</tr>
<tr>
<td>Crystalline silica (CAS 14808-60-7)</td>
<td>Listed</td>
</tr>
<tr>
<td>Phosphoric acid (CAS 7664-38-2)</td>
<td>Listed</td>
</tr>
</tbody>
</table>
SAFETY DATA SHEET

US - Texas Effects Screening Levels: Listed substance
- Crystalline silica (CAS 14808-60-7) Listed
- Phosphoric acid (CAS 7664-38-2) Listed
- Urea (CAS 57-13-6) Listed

US. Massachusetts RTK - Substance List
- Crystalline silica (CAS 14808-60-7)
- Phosphoric acid (CAS 7664-38-2)

US. New Jersey Worker and Community Right-to-Know Act
Not regulated

US. Pennsylvania Worker and Community Right-to-Know Law
- Crystalline silica (CAS 14808-60-7)
- Phosphoric acid (CAS 7664-38-2)

US. Rhode Island RTK
- Phosphoric acid (CAS 7664-38-2)

US. California Proposition 65
WARNING: This product contains a chemical known to the State of California to cause cancer.

US - California Proposition 65 - CRT: Listed date/Carcinogenic substance
- Crystalline silica (CAS 14808-60-7) Listed: October 1, 1988

Inventory status

<table>
<thead>
<tr>
<th>Country(s) or region</th>
<th>Inventory name</th>
<th>On inventory (yes/no)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Canada</td>
<td>Domestic Substances List (DSL)</td>
<td>Yes</td>
</tr>
<tr>
<td>Canada</td>
<td>Non-Domestic Substances List (NDSL)</td>
<td>No</td>
</tr>
<tr>
<td>United States &amp; Puerto Rico</td>
<td>Toxic Substances Control Act (TSCA)</td>
<td>Yes</td>
</tr>
</tbody>
</table>

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

16. Other Information

Disclaimer
The information in the sheet was written based on the best knowledge and experience currently available. Information contained herein was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document.

NFPA Code

Legend

<table>
<thead>
<tr>
<th>(Health: 1)</th>
<th>(Flammability: 0)</th>
<th>(Reactivity: 0)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Severe</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Serious</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Moderate</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Slight</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Minimal</td>
<td>0</td>
<td></td>
</tr>
</tbody>
</table>

Issue Date 22-January-2018
Version # 01
Effective Date 22-January-2018
Prepared by Manufacturer Personnel

Other Information For an updated SDS, please contact the supplier/manufacturer listed on the first page of the document.