

1 Product and Company Identification

Product identifier	ActiClean™ Gel
CAS #	Glass cleaner
Recommended restrictions	None known
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

2 Hazards Identification

Physical hazards	Not classified
Health hazards	Not classified
Environmental hazards	Not classified
WHMIS 2015 defined hazards	
Label elements	
Hazard symbol	None
Signal word	None
Hazard statement	The mixture does not meet the criteria for classification.
Precaution statement	
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.
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.
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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.

SAFETY DATA SHEET

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	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO ₂).
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	<p>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.</p> <p>Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.</p>
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	

SAFETY DATA SHEET

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

Reactivity	Reacts violently with strong alkaline substances. This product may react with reducing agents. This product may react with strong oxidizing agents.
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
Chemical stability	Material is stable under normal conditions.
Conditions to avoid	Do not mix with other chemicals.

SAFETY DATA SHEET

Incompatible materials

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.

Hazardous decomposition products

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

11 Toxicological Information

Routes of exposure

Eye, Skin contact, Inhalation, Ingestion.

Information on likely routes of exposure
Ingestion

Expected to be a low ingestion hazard. May cause stomach distress, nausea or vomiting.

Inhalation

Health injuries are not known or expected under normal use.

Skin contact

Not corrosive or irritating to skin based on test data.

No adverse effects due to skin contact are expected.

Eye contact

Not corrosive or irritating to eyes based on test data.

Symptoms related to the physical, chemical and toxicological characteristics

Direct contact with eyes may cause temporary irritation.

Information on toxicological effects
Acute toxicity

Not available

Skin corrosion/irritation

Prolonged skin contact may cause temporary irritation.

Exposure minutes

Not available

Erythema value

Not available

Oedema value

Not available

Serious eye damage/eye irritation

Direct contact with eyes may cause temporary irritation.

Corneal opacity value

Not available

Iris lesion value

Not available

Conjunctival reddening value

Not available

Recover days

Not available

Respiratory or skin sensitization
Respiratory sensitization

Not a respiratory sensitizers.

Skin sensitization

This product is not expected to cause skin sensitization.

Mutagenicity

No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

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	
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

Canadian federal regulations	This product has been classified in accordance with the hazard criteria of the HPR and the SDS contains all the information required by the HPR.	
Canada DSL Challenge Substances: Listed substance		
	Crystalline silica (CAS 14808-60-7)	Listed
Export Control List (CEPA 1999, Schedule 3)		Not listed
Greenhouse Gases		Not listed
Precursor Control Regulations		Not regulated
WHMIS 2015 Classifications		Not applicable
US federal regulations		
TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)		Not regulated
CERCLA Hazardous Substance List (40 CFR 302.4)		
	Phosphoric acid (CAS 7664-38-2)	Listed
US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)		Not listed
Superfund Amendments and Reauthorization Act of 1986 (SARA)		
Hazard categories		
	Immediate Hazard	- No
	Delayed Hazard	- No
	Fire Hazard	- No

SAFETY DATA SHEET

Pressure Hazard - No

Reactivity Hazard - No

SARA 302 Extremely hazardous substance No
SARA 311/312 Hazardous chemical No
SARA 313 (TRI reporting) Not regulated

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List Not regulated
Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130) Not regulated

US state regulations
US state regulations
US - California Hazardous Substances (Director's): Listed substance

Phosphoric acid (CAS 7664-38-2) Listed

US - Illinois Chemical Safety Act: Listed substance

Phosphoric acid (CAS 7664-38-2) Listed

US - Louisiana Spill Reporting: Listed substance

Phosphoric acid (CAS 7664-38-2) Listed

US - Minnesota Haz Subs: Listed substance

Crystalline silica (CAS 14808-60-7) Listed

Phosphoric acid (CAS 7664-38-2) Listed

Urea (CAS 57-13-6) Listed

US - New Jersey RTK - Substances: Listed substance

Crystalline silica (CAS 14808-60-7)

Phosphoric acid (CAS 7664-38-2)

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

Country(s) or region	Inventory name	On inventory (yes/no)*
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SAFETY DATA SHEET

Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA)	Yes

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

16. Other Information

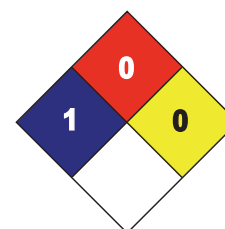
Disclaimer

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

(Health: 1)
 (Flammability: 0)
 (Reactivity: 0)

LEGEND	
Severe	4
Serious	3
Moderate	2
Slight	1
Minimal	0



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.