SAFETY DATA SHEET (SDS)
VITREX

SECTION 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product identification

Product name : Vitrex

Other means of identification

Product type : Liquid

Relevant identified uses

Recommended use : Liquid glass cleaner

Restrictions on use : All other uses than those indicated on the product label and technical data sheet.

Details of the supplier of the safety data sheet

Supplier / Manufacturer : Kempro Services
9221 rue Edison,
Anjou, Québec.
H1J 1T4
Tel : 1-800-299-0548

E-mail : info@kemproservices.com

Emergency number

Emergency telephone number (with hours of operation) : Poison Control Centre : 1-800-463-5060
CANUTEC : +1-613-996-6666 or *666 (cellphone)(24/7)

SECTION 2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

Not classified.

GHS Label Elements

Hazard(s) pictograms :

Signal word : No signal word.

Hazard statements : No known significant effects or critical hazards.

Precautionary statements

- **Prevention** : Manipulate with care, avoid splashes.
- **Response** : Not applicable.
- **Storage** : Not applicable.
- **Disposal** : Not applicable.

Other known hazards

Not additional information available

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

Substance/mixture

Substances : Mixture

Other means of identification : Aqueous solution mainly composed by the following ingredients

CAS number /other identifiers/ Mixtures

CAS number : Not applicable

Ingredient name	% (p/p)	CAS number
Isopropyl Alcohol	1 - 5	67-63-0

Occupational exposure limits, if available, are listed in Section 8.

SECTION 4. FIRST-AID MEASURES

Description of necessary first aid measures

Eye contact : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.

Inhalation : Maintain an open airway. Get medical attention if symptoms occur.

Skin contact	:	Flush contaminated skin with plenty of water. Get medical attention if symptoms occur.
Ingestion	:	If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if adverse health effects persist or are severe.

Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact	:	No known significant effects or critical hazards.
Inhalation	:	No known significant effects or critical hazards.
Skin contact	:	No known significant effects or critical hazards.
Ingestion	:	No known significant effects or critical hazards.

Over-exposure signs/symptoms

Eye contact	:	No known significant effects or critical hazards.
Inhalation	:	No known significant effects or critical hazards.
Skin contact	:	No known significant effects or critical hazards.
Ingestion	:	No known significant effects or critical hazards.

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician	:	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Specific treatments	:	No specific treatment.
Protection of first-aiders	:	No further relevant information available.

See toxicological information (section 11)

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing media

Suitable extinguishing media	:	Use an extinguishing agent suitable for the surrounding fire.
Unsuitable extinguishing media	:	None known

Specific hazards arising from the chemical

Fire hazard	:	In a fire or if heated, a pressure increase will occur and the container may burst.
Hazardous thermal decomposition products	:	Decomposition products may include the following materials: carbon dioxide and carbon monoxide

Special protective equipment and precautions for fire-fighters

Special protective actions for fire-fighters	:	No special measures required
Special protective equipment for fire-fighters	:	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel	:	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.
For emergency responders	:	No further relevant information available.

Methods and materials for containment and cleaning up

Methods for containment	:	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container.
Methods for cleaning up	:	No special collection methods required. Dispose of in accordance with all national and local regulations.

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling

Protective measures	:	Manipulate with care, avoid splashes.
Advice on general occupational hygiene	:	Eating, drinking or smoking is prohibited in areas where this product is handled, stored or processed. People working with this product should wash their hands thoroughly after handling. See also Section 8 for additional information on hygiene measures.
Conditions for safe storage, including any incompatibilities	:	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters

No other important information available.

Individual protection measures

General protection and hygiene measures	:	Wash hands, forearms and face thoroughly after handling chemical products before eating, smoking and using lavatory and at the end of the working period.
Eye/face protection	:	Wear eye protection.
Hands protection	:	None under normal conditions of use.
Skin & body protection	:	None under normal conditions of use.
Respiratory Protection	:	None under normal conditions of use.

SECTON 9. PHYSICAL & CHEMICAL PROPERTIES

Appearance

Physical state	:	Liquid
Colour	:	Blue
Odour	:	Alcohol
Odor treshold	:	Not available.
pH	:	9.0-10.0
Melting point	:	Not available.
Freezing point	:	Not available.
Boiling point	:	>100ºC
Flash point	:	Not available.
Evaporation rate	:	Not available.
Flammability (solid, gaseous):	:	Not applicable.
Lower and upper explosive (flammable) limits	:	Not available.
Vapor pressure	:	Not available.
Vapor density	:	Not available.
Relative density (g/ml)	:	0.955-0.975
Solubility	:	Complete in water
Partition coefficient: noctanol/water	:	Not available.
Auto-ignition temperature	:	Not available.
Decomposition temperature	:	Not available.
Viscosity	:	Not available.

SECTION 10. STABILITY ET REACTIVITY

Reactivity
No specific test data related to reactivity available for this product or its ingredients.
Chemical Stability
The product is stable.
Possibility of hazardous reactions
Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid
There is no specific data.
Incompatible materials
There is no specific data.
Hazardous decomposition products
Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity
There is no data available.

Irritation/Corrosion

Product/ingredient name	Result		Species	Exposure
Isopropyl Alcohol	Oral Dermal Inhalation	LD50 LD50 LC50 (4h)	Rat Rabbit Rat	5045 mg/kg 12800mg/kg 30 mg/L

Sensibilization
There is no data available.

Mutagenicity
There is no data available.

Cancerogenicity

Classification

Product/ingredient name	OSHA	CIRC	NTP	ACGIH	EPA	NIOSH
Isopropyl Alcohol	-	-	-	-	-	-

Reproductive toxicity
There is no data available.

Teratogenicity
There is no data available.

Specific target organ toxicity (single exposure)
There is no data available.

Specific target organ toxicity (repeated exposure)
There is no data available.

Aspiration hazard
There is no data available.

Information on the likely routes of exposure : Dermal contact. Eye contact. Inhalation. Ingestion.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact : No specific data.
Inhalation : No specific data.
Skin contact : No specific data.
Ingestion : No specific data.

Delayed and immediate effects and also chronic effects from short and long-term exposure

Short term exposure

Potential immediate effects : No known significant effects or critical hazards.
Potential delayed effects : No known significant effects or critical hazards.

Long term exposure

Potential immediate effects : No known significant effects or critical hazards.
Potential delayed effects : No known significant effects or critical hazards.

Potential chronic health effects

General : No known significant effects or critical hazards.
Carcinogenicity : No known significant effects or critical hazards.
Mutagenicity : No known significant effects or critical hazards.
Teratogenicity : No known significant effects or critical hazards.
Developmental effects : No known significant effects or critical hazards.
Fertility effects : No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

There is no data available.

SECTION 12. ÉCOLOGICAL INFORMATION

Toxicity

Product/ingredient name	Result	Species	Exposure
No known significant effects or critical hazards.			

Persistence and degradability

There is no data available.

Bioaccumulative potential

There is no data available.

Mobility in soil

Soil/water partition coefficient (KOC) : There is no data available

Other adverse effects

No known significant effects or critical hazards.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste treatment methods : Dispose of contents must be made according to local, state or national legislation. Do not allow to get into surface water, drains and ground water.

Container disposal: : Only empty containers could be recycled.

SECTION 14. TRANSPORT INFORMATION

	TDG Classification	IMDG	IATA
UN number	Non-regulated		
UN proper shipping name	Non-regulated		
Transport hazard class(es)	Non-regulated		
Packing group	Non-regulated		
Environmental hazards	Not applicable		
Additional information	Not applicable		

Special precautions for user	**Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

SECTION 15. REGULATORY INFORMATION

Canadian List

Canadian NPRI	:	None of the components are listed.
CEPA Toxic substances (Canadian Environmental Protection Act)	:	None of the components are listed.
Canada inventory	:	All components are listed or exempted.

SECTION 16. OTHER INFORMATION

History

Date of issue	:	07/04/2018
Version	:	1
Key to abbreviations	:	ATE = Acute Toxicity Estimate BCF = Bioconcentration Factor GHS = Globally Harmonized System of Classification and Labelling of Chemicals IATA = International Air Transport Association IBC = Intermediate Bulk Container IMDG = International Maritime Dangerous Goods LogPow = logarithm of the octanol/water partition coefficient UN = United Nations HPR = Hazardous Products Regulations

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