



Polykleen Crete

Section 1. Identification

Common name: Polykleen Crete

Synonym: None

Material uses: Acid cleaning solution (industrial application)

Supplier / Manufacturer:

La Margna inc

412 avenue Saint-Sacrement

Québec

Québec, Canada, G1N 3Y3

Phone: 1-800-463-6850

In case of emergency:

CANUTEC: (613) 996-6666

Or call your local Emergency Health Services Center.

Section 2. Hazards identifications

Classification:



Oxidizing Liquid, Category 3

Corrosive material to metals

Skin corrosion, Category 1

Serious eye damage, Category 1

Acute toxicity (inhalation), Category 1

Signal word: Danger

Hazard statements:

H227: Combustible liquid.

H290: May be corrosive to metals.

H314: Causes severe skin burns and eye damage.

H318: Causes serious eye damage.

H330: Fatal if inhaled.

Precautionary statements:

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P234: Keep only in original container.

P260: Do not breathe dust/fumes/gas/mist/vapours/spray.

P264: Wash exposed and/or contaminated area thoroughly after handling.

P271: Use only outdoors or in a well-ventilated area.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P284: Wear respiratory protection.

P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.

P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.

P310: Immediately call a POISON CENTER or a doctor.

P320: Specific treatment according to the ingredients is urgent.

P363: Wash contaminated clothing before reuse.

P370+P378: In case of fire: Use (see section 5) to extinguish.

P390: Absorb spillage to prevent material damage.

P403+P233: Store in a well ventilated place. Keep container tightly closed.

P403+P235: Store in a well ventilated place. Keep cool.

P405: Store locked up.

P406: Store in a corrosive resistant container.

P501: Dispose of contents / container by a local waste disposal company according to regional regulations.

Section 3. Composition and information on ingredients

Name	CAS	Concentration %
Nitric acid	7697-37-2	10 - 30
Sulfamic acid	5329-14-6	5 - 10

Section 4. First aid measures

Description of first aid if required:

Move out of dangerous area. Consult a physician. Show this safety data sheet to the doctor in attendance.

Eye contact:

Rinse eyes thoroughly with water for at least 15 minutes.

Skin contact:

Take off immediately all contaminated clothing. Rinse the skin with water.

Inhalation:

Bring the conscious victim to fresh air.

Ingestion:

Rinse mouth. Do NOT induce vomiting.

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

Treat according to symptoms.

Most important acute symptoms and effects:

Causes severe skin burns and eye damage. Causes serious eye damage. Fatal if inhaled.

Most important delayed symptoms and effects:

No known chronic effects or symptoms.

Section 5. Fire fighting measures

Flammability of the product:

Combustible liquid

Flash point:

N/A

Auto-ignition temperature:

N/A

Products of combustion:

Nitrogen oxides, sulfur oxide

Special protective actions for fire-fighters:

Wear self-contained breathing apparatus and appropriate protective clothing.

Suitable extinguishing media:

Use means of extinction the most suited to the surrounding materials.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures:**For non emergency personnel:** Evacuate the area.**For emergency personnel:** Wear appropriate protective equipment and clothing during clean-up. (See section 8)**Environmental precautions:**

Do not let product enter drains

Methods and material for containment and cleaning up:

Use appropriate tools to put the spilled solid in a convenient waste disposal container.

Section 7. Handling and storage

Precautions in Handling:

Do not ingest. Do not breathe vapours. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. Avoid contact with skin and eyes.

Precautions in Storage:

Keep container tightly closed in a cool, dry and well-ventilated place. Do not store with flammable materials.

Section 8. Exposure Controls, Personal Protections

Control parameters:

Component	CAS	Value	Control parameters	Basis
Nitric acid	7697-37-2	TWA	5.2 mg/m ³	CNESST
		STEL	10 mg/m ³	CNESST

Engineering controls:

Use mechanical exhaust or laboratory fumehood to avoid exposure.

Personal protective equipment:**Eyes:** Wear safety glasses.**Skin/body:** Wear a lab coat or any other appropriate protective clothing.**Respiratory:** If ventilation is insufficient, choose appropriate respiratory protection according to levels and duration of exposure.**Hands:** Wear chemical resistant protective gloves.

Section 9. Physical and chemical properties

Physical state: Liquid

Color: Yellow

Odour: Characteristic

Melting point/Freezing point: Data not available

Boiling point: 100°C / 212°F

Appearance: Clear

Flash point: Data not available

Auto-ignition temperature: Data not available

pH: 1.9

Solubility: Soluble

Density: 1.146

Section 10. Stability and reactivity

Chemical reactivity: Stable under recommended storage conditions.

Possibility of hazardous reactions: None expected

Conditions to avoid: Incompatible materials, excessive heat

Incompatible materials: Alkalines, combustible materials, reducing materials, metals (attack of many metals producing extremely flammable hydrogen capable of forming explosive mixtures with air.)

Hazardous decomposition products: Nitrogen oxides, sulfur oxides

Section 11. Toxicological information

Acute toxicity:

Component	CAS	Value
Nitric acid	7697-37-2	CL ₅₀ Inhalation: Rat - = 130 mg/m ³ 4h
Sulfamic acid	5329-14-6	DL ₅₀ Oral: Mouse = 1312 mg/kg DL ₅₀ Oral: Rat = 3160 mg/kg DL ₅₀ Oral: Guinea pig = 1050 mg/kg

Skin corrosion/irritation:

Nitric acid: Causes severe skin burns

Serious eye damage/irritation:

Nitric acid: Causes serious eye damage.

Sulfamic acid: Causes serious eye irritation

Respiratory or skin sensitisation:

Not applicable

Gem cell mutagenicity:

Not applicable

Carcinogenicity:

Not applicable

Reproductive toxicity:

Not applicable

STOT- Single exposure:

Not applicable

STOT- repeated exposure:

Not applicable

Aspiration hazard:

Not applicable

Information on likely route of exposure:

Not applicable

Section 12. Ecological information**Ecological data for aquatic environments:**

Component	CAS	Value
Sulfamic acid	5329-14-6	CL ₅₀ - Pimephales promelas (fathead minnow) 70.3 mg/L - 96h

Persistence and degradability:

Data not available

Bioaccumulative potential:

Data not available

Mobility in soil:

Data not available


Other adverse effects:


Data not available


Section 13. Disposal considerations**Waste disposal:**


Dispose of the chemical waste is in conformity with the federal, provincial and local laws. Store the residues of the product in safe containers. Place the containers in storage area of dangerous chemical waste.

Section 14. Transportation information

TDG		
UN #: UN3264	Proper shipping name: CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (Nitric acid)	
Class: 8	Packing group: II	

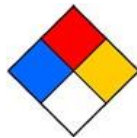
DOT		
UN #: UN3264	Proper shipping name: CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (Nitric acid)	
Class: 8	Packing group: II	

IMDG		
UN #: UN3264	Proper shipping name: CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (Nitric acid)	
Class: 8	Packing group: II EMS-No:	

IATA		
UN #: UN3264	Proper shipping name: CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (Nitric acid)	
Class: 8	Packing group: II	

Section 15. Regulatory information

NFPA Classification:



Health: 3
Flammable: 0
Reactivity: 2
Specials conditions: 0

Legend: 4: Severe, 3: High, 2: Moderate, 1: Slightly, 0: Not hazardous

General product information:

This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations and the safety data sheet contains all of the required information.

Section 16. Additional information

Date of issue:

2020-02-14

Version:

1.00

Elaborated by:

Toxyscan inc.

Notice to reader:

To the best of our knowledge, the information contained herein is accurate. However, neither Toxyscan inc., nor the supplier, nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Références:

- Répertoire toxicologique of la Commission des normes, de l'équité, de la santé et de la sécurité du travail.
- Registry of Toxic effects of Chemical Substances of the Canadian Centre for Occupational Health and Safety.
- Material safety data sheet from the manufacturer.
- Hazardous Products Regulations (DORS/2015-17).
- Canadian Transport of Dangerous Goods.
- GHS (rev.8) (2019) globally harmonized system of classification and labeling of chemicals - united nations