

SAFETY DATA SHEET (SDS)


Section 1. Identification

Product identifier	CUVETTE NETTE
Other means of identification	PV-49
Recommended use and restrictions on use	Toilet bowl cleaner
Initial supplier identifier	Laboratoires St-Antoine Inc.; 2834, Marie-Victorin St-Antoine-de-Tilly, P.Q. G0S 2C0 T – 418-886-2454 / 800-690-2454
Emergency telephone number/restriction on use	Canada – CANUTEC 24 hour number 613-996-6666

Section 2. Hazard identification

Classification of hazardous product (name of the category or subcategory of the hazard class)
Oxidizing solids (Category 2) Acute toxicity, oral (Category 4) Skin corrosion/Irritation (Category 1B) Acute aquatic toxicity (Category 1)

Information elements (symbols, signal words, hazard statements and precautionary statements of the category/subcategory)



Danger
 H272 May intensify fire; oxidizer.
 H314 Causes severe skin burns and eye damage.
 H302 Harmful if swallowed.
 H400 Very toxic to aquatic life.

P221 Take any precaution to avoid mixing with combustibles. P234 Keep only in original packaging. P210 Keep away from heat/sparks/open flames/hot surfaces. P260 Do not breathe dusts. P264 Wash hands/nails/face thoroughly after handling. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
 P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P310 Immediately call a POISON CENTER.
 P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. P363 Wash contaminated clothing before reuse. P332+P313 If skin irritation occurs: Get medical attention.
 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 doctor.
 P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P310 Immediately call a doctor.
 P390 Absorb spillage to prevent material-damage. P391 Collect spillage. P405 Store locked up. P501 Dispose of contents/container into safe container in accordance with local, regional or national regulations.

Other hazards known | Contact with acids liberates toxic gas.

Section 3. Composition/information on ingredients

Chemical name (common name/synonyms)	CAS number or other	Concentration (%)
Calcium hypochlorite	7778-54-3	< 70
Inert matter (Stone)	N/A	< 5

Section 4. First-aid measures

Inhalation	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a doctor.
Ingestion	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. NEVER give anything by mouth if victim is rapidly losing consciousness, or is unconscious or convulsing. Rinse mouth thoroughly with water. Have victim drink two glasses of water. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Immediately call a POISON CENTER.
Skin contact	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water (15-20 minutes). Wash contaminated clothing before reuse. If skin irritation occurs: Get medical attention.
Eye contact	IF IN EYES, Rinse cautiously with water for several minutes (15-20). Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a doctor.

Most important symptoms and effects (acute or delayed) | Causes severe skin burns and eye damage.

Indication of immediate medical attention/special treatment | In all cases, call a doctor. Do not forget this document.

Section 5. Fire-fighting measures

Specific hazards of the hazardous product (hazardous combustion products)

Carbon oxides and other irritant/toxic gases and fumes (Chlorine).

Suitable and unsuitable extinguishing media

In case of fire: Use carbon dioxide, or water only.

Special protective equipment and precautions for fire-fighters

During a fire, irritating/toxic smoke and fumes may be generated. Do not enter fire area without proper protection. Firefighters should wear proper protective equipment and self-contained breathing apparatus with full facepiece. Shield personnel to protect from venting, rupturing or bursting cans. Move containers from fire area if it can be done without risk. Water spray may be useful in cooling equipment and cans exposed to heat and flame.

Section 6. Accidental release measures			
Personal precautions, protective equipment and emergency procedures			
Take off spillage to prevent material-damage. Avoid release to the environment. Collect spillage. Restrict access to area until completion of clean-up. Ensure clean-up is conducted by trained personnel only. All persons dealing with clean-up should wear the appropriate protective equipment (See Section 8).			
Methods and materials for containment and cleaning up			
Ventilate area of release. Stop the leak if it can be done safely. Contain and shovel up any spilled powder concentrate, then place material into a container for later disposal (see Section 13). Notify the appropriate authorities as required.			
Section 7. Handling and storage			
Precautions for safe handling			
May be corrosive to metals. Keep only in original packaging. Wear protective gloves/ protective clothing/ eye protection/ face protection. Before handling, it is very important that engineering controls are operating, and that protective equipment requirements and personal hygiene measures are being followed. People working with this chemical should be properly trained regarding its hazards and its safe use. Inspect containers for leaks before handling. Label containers appropriately. Ensure proper ventilation. Avoid breathing dust/fume/gas/mist/vapours/spray. Avoid contact with eyes, skin and clothing. Keep away from heat, sparks and flame. Avoid generating high concentrations of dusts, vapours or mists. Keep away from incompatible materials (Section 10). Keep containers closed when not in use. Empty containers are always dangerous. Refer also to Section 8.			
Conditions for safe storage, including any incompatibilities			
Store in a well-ventilated place. Keep container tightly closed. Keep cool. Store locked up. Store away from incompatible materials (Section 10). Inspect all incoming containers to make sure they are properly labelled and not damaged. Storage area should be clearly identified, clear of obstruction and accessible only to trained personnel. Inspect periodically for damage or leaks.			
Section 8. Exposure controls/Personal protection			
Control parameters (biological limit values or exposure limit values and source of those values)			
Exposure limits: CAS 7778-54-3 – ACGIH – TLV-TWA ceiling 1 mg/m ³ & PEL-TWA 1 mg/m ³			
Appropriate engineering controls			
Use under well-ventilated conditions. Local exhaust ventilation system is recommended to maintain concentrations of contaminants below exposure limits. Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area.			
Individual protection measures/personal protective equipment			
Respiratory protection is required if the concentrations are higher than the exposure limits. Use a NIOSH approved respirators if the exposure limits are unknown. Chemically protective gloves (impervious), and other protective clothing to prevent prolonged or repeated skin contact, must be worn during all handling operations. Wear protective chemical splash goggles to prevent dust from entering the eyes. Wash hands/nails/face thoroughly after handling. Do not eat, drink or smoke when using this product. Practice good personal hygiene after using this material. Remove and wash contaminated work clothing before re-use.			
Section 9. Physical and chemical properties			
Appearance, physical state/colour	Liquid / Yellow	Vapour pressure	Not applicable
Odour	Chlorine	Vapour density	Not applicable
Odour threshold	Not available	Relative density	Not applicable
pH	~11 (1% water solution)	Solubility	Partially soluble
Melting/freezing point	Not applicable	Partition coefficient - n-octanol/water	Not applicable
Initial boiling point/range	Not applicable	Auto-ignition temperature	Not applicable
Flash point	Not applicable	Decomposition temperature	170-180 °C
Evaporation rate	Not applicable	Viscosity	Not applicable
Flammability (solids and gases)	Not applicable	VOC	Not applicable
Upper and lower flammability/explosive limits	Not available	Other	None known
Section 10. Stability and reactivity			
Reactivity			
Does not react under the recommended storage and handling conditions prescribed.			
Chemical stability			
Stable under the recommended storage and handling conditions prescribed.			
Possibility of hazardous reactions			
When mixed with incompatible materials.			
Conditions to avoid (static discharge, shock or vibration)			
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.			
Incompatible materials			
Oxidizing materials, flammables, combustible; acids; some metals; etc.			

Hazardous decomposition products

Chlorine gas

Section 11. Toxicological information

Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact)

Causes severe skin burns and eye damage.

Symptoms related to the physical, chemical and toxicological characteristics

Skin burn, redness, stinging, pain; Eye burn, redness, tearing; Digestive tract burn; Respiratory tract burn, coughing, shortness of breath, dizziness, drowsiness, nausea and headaches.

Delayed and immediate effects (chronic effects from short-term and long-term exposure)

Skin Sensitization – No data available; Respiratory Sensitization – No data available; Germ Cell Mutagenicity – No data available; Carcinogenicity – No ingredient listed by IARC, ACGIH, NTP or OSHA Reproductive Toxicity – No data available; Specific Target Organ Toxicity – Single Exposure – No data available; Specific Target Organ Toxicity – Repeated Exposure – No data available; Aspiration Hazard – No data available; Health Hazards Not Otherwise Classified – No data available.

Numerical measures of toxicity (ATE; LD₅₀ & LC₅₀)

CAS 7778-54-3 LD₅₀ Oral - Rat – 1300 mg/kg; LC₅₀ Inhalation - Rat - 4 h – no data; LD₅₀ Dermal - Rabbit – no data
ATE not available in this document.

Section 12. Ecological information

Ecotoxicity (aquatic and terrestrial information)

CAS 7778-54-3 Toxicity to fish LC50 - Bluegill – 0,088 mg/l - 96 h; CL50 – Rainbow Trout (Truite arc-en-ciel) – 0,16 mg/l - 96 h; Toxicity to daphnia and other aquatic invertebrates Immobilization EC50 - Daphnia (water flea) – 0,11 mg/l - 48 h

Persistence and degradability

No data available

Bioaccumulative potential

No bioaccumulation is to be expected.

Mobility in soil

No data available

Other adverse effects

Very toxic to aquatic life with long lasting effects.

Section 13. Disposal considerations

Information on safe handling for disposal/methods of disposal/contaminated packaging

Dispose of contents/container into safe container in accordance with local, regional or national regulations.

Section 14. Transport information

UN number; Proper shipping name; Class(es); Packing group (PG) of the TDG Regulations

UN2880; CALCIUM HYPOCHLORITE, HYDRATED; CLASS 5.1; PG II

UN number; Proper shipping name; Class(es); Packing group (PG) of the IMDG (maritime)

UN2880; CALCIUM HYPOCHLORITE, HYDRATED; CLASS 5.1; PG II

UN number; Proper shipping name; Class(es); Packing group (PG) of the IATA (air)

UN2880; CALCIUM HYPOCHLORITE, HYDRATED; CLASS 5.1; PG II

Special precautions (transport/conveyance)

May also be shipped as a LIMITED QUANTITY in accordance with TDG.

Environmental hazards (IMDG or other)

None

Bulk transport (usually more than 450 L in capacity)

Possible

Section 15. Regulatory information

Safety/health Canadian regulations specifics

Refer to Section 2 for the appropriate classification. This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR).

Environmental Canadian regulations specifics

Refer to Section 3 for ingredient(s) of the DSL

Safety/health/environmental outside regulations specifics

None

Section 16. Other information	
Date of the latest revision of the safety data sheet	April 24, 2017 version 1
References	Safety Data Sheets from manufacturer/supplier & from Canadian Centre for Occupational Health and Safety, CCOHS.
Abbreviations	
ACGIH	American Conference of Governmental Industrial Hygienists
ATE	Acute toxicity estimate
CAS	Chemical Abstract Service
DSL	Domestic Substance List
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods Code
LC	Lethal concentration
LD	Lethal Dosage
NIOSH	National Institute for Occupational Safety and Health
NTP	National Toxicology Program (U.S.A.)
OSHA	Occupational Safety and Health Administration (U.S.A.)
PEL	Permissible Exposure Limit
STEL	Short-term Exposure Limit
TDG	Transport of dangerous goods in Canada
TLV	Threshold Limit Value
TSCA	Toxic Substances Control Act
TWA	Time Weighted Average
WHMIS	Workplace Hazardous Materials Information System
<p>To the best of our knowledge, the information contained herein is accurate. However, neither the above named 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.</p>	