

SECTION I – Chemical Product & Company Identification



PRODUCT NAME: Calcium, Rust & Lime Remover Concentrate
PRODUCT USE: Deposit & Mineral Remover
PRODUCT CODE: 40317

PARKSIDE PROFESSIONAL PRODUCTS
 4777 Kent Avenue
 Niagara Falls, Ontario L2H 1J5
PHONE: (905) 358-8364
FAX: (905) 358-9680

EMERGENCY TELEPHONE NUMBER: CANUTEC (613) 996-6666

Preparation Date: January 1, 2015

SECTION 2 – Hazards Identification

Emergency Overview: DANGER. CAUSES EYE AND SKIN BURNS. HARMFUL IF SWALLOWED.

Effects of Acute Exposure:

Routes of Entry: Eye contact. Dermal Contact. Inhalation.

Eyes – Causes eye burns. Direct contact with the eyes can cause irreversible damage, including blindness. Inflammation of the eye is characterized by redness, watering & itching.

Skin – Causes skin irritation. Skin inflammation is characterized by itching, scaling, reddening or, occasionally, blistering. May cause allergic reactions in certain individuals.

Inhalation – Avoid breathing vapours, spray or mists. Over-exposure by inhalation may cause respiratory irritation. May cause irritation of respiratory tract, coughing or shortness of breath.

Ingestion – Harmful if swallowed. Exposure can cause stomach pains, vomiting and diarrhea.

Chronic Effects:

Causes damage to the following organs: skin, eyes

Contains material which may cause damage to the following organs: kidneys, the reproductive system, gastrointestinal tract, upper respiratory tract

Prolonged or repeated contact: With spray or mist may produce chronic eye irritation and severe skin irritation.

With spray mist may produce respiratory tract irritation, leading to frequent attacks of bronchial infection.

Carcinogenicity: Ingredients not listed as carcinogen by OSHA, NTP or IARC.

Additional Information: See *Toxicological Information (Section 11)*

SECTION 3 – Composition/Information on Ingredients

<u>Chemical Name</u>	<u>Wt/Wt%</u>	<u>CAS #</u>	<u>LD50 mg/kg</u>	<u>LC50</u>
Urea hydrochloride	1-10	506-89-8	not available	not available
Alkyl(C9-11) alcohol, ethoxylated	1-5	68439-46-3	> 2000	not available
Citric acid	1-5	77-92-9	3000 oral rat	not available

SECTION 4 - First Aid Measures

Eye Contact: Immediately flush with water for 15 minutes. If irritation persists, contact a physician.

Skin Contact: Immediately flush with water for 15 minutes. Contact a physician if irritation develops. Completely decontaminate clothing, shoes and leather goods, or discard.

Inhalation: Remove to fresh air. If symptoms persist, contact a physician.

Ingestion: Do not induce vomiting. Rinse mouth with water, then drink one glass of water. Contact a physician immediately. Never give anything by mouth if victim is unconscious, is rapidly losing consciousness or is convulsing.

SECTION 5 - Fire Fighting Measures

Flash Point & Test Method: not applicable

Flammability: non-combustible

Upper Flammable Limit: not available

Fire Hazard: In a fire, or if heated, a pressure increase will occur and the container may burst. May emit toxic fumes under fire conditions.

Lower Flammable Limit: not available

Fire-Fighting Procedures: Use an extinguishing agent suitable for the surrounding fire. Do not release runoff from fire to drains or watercourse.

SECTION 6 – Accidental Release Measures

Spill Clean Up: Put on appropriate protective equipment (see Section 8). Stop leak if you can do so without risk. Move containers from spill area. Dilute with water and mop up if water-soluble or absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

SECTION 7 – Handling & Storage

Handling: Put on appropriate personal protective equipment (see Section 8). Do not get in eyes or on skin or clothing. Do not breathe vapour or mist. Do not ingest. Do not use with other products. Do not reuse container. Observe label precautions. Wash thoroughly after handling.

Storage: 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. Keep out of the reach of children.

SECTION 8 – Exposure Controls and Protective Protection

Exposure Limits: No exposure limit value known.

Personal Protective Equipment:

Eyes: splash goggles

Gloves: neoprene, nitrile or rubber gloves

Respiration: Use with adequate ventilation. Wear appropriate respirator when ventilation is inadequate.

Other: Wear long sleeves and other protective clothing to prevent repeated or prolonged skin contact.

SECTION 9 - Physical & Chemical Properties

Physical State: liquid

Vapour Pressure (mm Hg @25°C): not available

Colour: clear

Odour: mild

Coefficient of Water/Oil Distribution: not available

Evaporation Rate: not available

Viscosity (cps) @ 25°C: Not Applicable

Specific Gravity: 1.067

pH: <1

Freezing Point: not available

Boiling Point (°C @ 1 atm): 100 (212°F)

Vapour Density: not available

Solubility: Easily soluble in cold and hot water.

VOC (Consumer): 0.05% (w/w) 0.00445 lbs/gal (0.53 g/l)

SECTION 10 – Stability & Reactivity

Stability and Reactivity: The product is stable.

Incompatible Substances: Reactive or incompatible with oxidizing materials, organic materials, metals and alkalis.
Do not use with other products.

Hazardous Decomposition Products: nitrogen oxides (NO₃, NO₂ etc.), sulfur oxides (SO₂, SO₃ etc.) carbon dioxides (CO₁, CO₂) and ammonia gas

Hazardous Polymerization: Under normal conditions of storage and use, hazardous polymerization will not occur.

SECTION 11 - Toxicological Information

Acute Toxicity:

Citric acid – LD50 Oral, Rat, 3 g/kg

Carcinogenicity: No known significant effects or critical hazards.

Teratogenicity: none known

Sensitization: none known

Mutagenicity: none known

Reproductive Effects: none known

Synergistic Materials: none known

SECTION 12 - Ecological Information

Environmental Effects: not available

Aquatic Ecotoxicity:

Alkyl(C9-11) alcohol, ethoxylated

– Acute EC50 5.36 mg/L fresh water - crustaceans, water flea, ceriodaphnia dubia, neonate , <24 hours – 48 hours

– Acute EC50 2686 ug/L fresh water - daphnia, water flea, daphnia magna, neonate , <24 hours – 48 hours

– Acute LC50 8500 ug/L fresh water – fish, flathead minnow, pimephales promelas – 96 hours

Citric acid

– Acute LC50 160000 ug/L fresh water - crustaceans, green or European shote crab – carcinus maenas - adult – 48 hours

SECTION 13 – Disposal Considerations

Waste Information: Waste must be disposed of in accordance with federal, provincial and local environmental control regulations.
Consult your local regional authorities for additional information.

Waste Stream: Code: D002

Classification: Hazardous Waste - Corrosivity

Origin: RCRA waste

SECTION 14 – Transport Information

Regulatory Information

UN Number

Proper Shipping Name

Classes Packing Group

TDG Classification – Limited Quantity

SECTION 15 – Regulatory Information

WHMIS: Class D-2B: Material causing other toxic effects (Toxic).

Class E: Corrosive material

SECTION 16 - Other Information

Manufacturer/Supplier: Parkside Professional Products, 4777 Kent Avenue, Niagara Falls, Ontario L2H 1J5 **Telephone:** (905) 358-8364

Preparer: Parkside Professional Products, 4777 Kent Avenue, Niagara Falls, Ontario L2H 1J5

Telephone: (905) 358-8364

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