

FLEXO Material Safety Data Sheet

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Acid Delimer

Use: Scale Remover, etc.

Manufacturer: Root Industries Inc.

Date of MSDS: January 1, 2000

K34

WHMIS: E

TDG: CORROSIVE LIQUID (hydrochloric acid)
 Class 8 UN 1789 PG II

HMS: Health - 4, Flammability - 0, Reactivity - 2, PPE: B

Emergency Telephone # CANUTEC 613-996-6666

I - HAZARDOUS INGREDIENTS

Chemical Name	Wt/Wt %	CAS #	LC50/LD50	ACGIH-TLV
Hydrochloric Acid	60-80	7647-01-0	LD50 Acute: 900 oral rabbit	TWA=5 (ppm)

II - PHYSICAL DATA

Physical State: liquid	Viscosity: not available	Oil/Water Factor: not available	Specific Gravity (water=1): 1.1
Appearance: lime green	pH: <1 (acidic)	Odour Threshold: not available	Freezing Point (°C): not available
Odour: pungent	Boiling Point (°C): 105	Vapour Density (air=1): 1.3	Evaporation Rate: not available
Vapour Pressure: 3040 mm Hg (20°C)	Freezing Point (°C): not available		

III - FIRE AND EXPLOSION DATA

Conditions of Flammability: not flammable	UFL: not applicable
Flash Point and Test Method: not applicable	LFL: not applicable
Sensitivity to Static Discharge or Mechanical Impact: not available	Auto-Ignition Temperature: not applicable
Hazardous Combustion Products: chlorine gas	
Means of Extinction: use extinguishing media suitable for surrounding materials	

IV - REACTIVITY DATA

Incompatible Substances: alkalis, metals, moisture	Conditions of Chemical Instability: stable
Hazardous Decomposition Products: not available	Conditions of Reactivity: not available
Storage Requirements: Store in closed container, away from incompatibles. Use corrosive-resistant structural materials for containment.	

V - TOXICOLOGICAL PROPERTIES

Synergistic Materials: not available	Route(s) of Entry: eye, skin, inhalation, ingestion
Irritancy of Product: hazardous by WHMIS criteria	Sensitization: not available
Acute Effects	Chronic Effects
Eye: can result in corneal damage and blindness	Carcinogen: non-hazardous by WHMIS
Skin: inflammation is characterized by itching, scaling, reddening and blistering	Teratogen: insufficient data available
Inhalation: can cause nose, throat & respiratory tract irritation	Mutagen: insufficient data available
Ingestion: May cause vomiting, headache & medical problems. May cause burns to mouth, throat & stomach.	Reproductive Toxin: insufficient data available
	Prolonged or Repeated Exposure: Can cause drying, defatting & dermatitis. Danger of serious damage to health & vital organs.

VI - FIRST AID MEASURES

Eye Contact:	Immediately flush with water for 15 minutes. Seek medical attention immediately.
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.

VII - PROTECTIVE EQUIPMENT

Personal Protective Equipment:	
Eyes: face shield	Skin: impermeable gloves
Respiratory: Not required under good ventilation and under normal exposure guidelines. If exposure level is above guideline levels, use an approved air purifying respirator.	
Ventilation: General ventilation for room temperature. Use local exhaust for elevated temperature use.	

VIII - SPECIAL MEASURES

For Leaks or Spills: Small spills may be absorbed with non-reactive absorbent and placed in suitable, covered labeled containers. Prevent large spills from entering sewers or waterways. Contact emergency services and supplier for advice.
Waste Disposal: Review all Federal, Provincial and local regulations prior to disposal.

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