



Material Safety Data Sheet

Lime Descaler

Section I. Product Identification

Product Name: LIME DESCALER
Product Use: Descaler
Concentrate Hazard Ratings: Health: 3
TDG Class: 8 **Packing Group:** III

WHMIS Class: E
Product Code(s): 722004, 722018, 722021
Fire: 0
UN Number: 1805

Reactivity: 0
Name: PHOSPHORIC ACID, LIQUID

Section II. Hazardous Ingredients

<u>Chemical Name</u>	<u>CAS#</u>	<u>% by Weight</u>	<u>Toxicity</u>
Phosphoric Acid	7664-38-2	10-25	LD ₅₀ 1530 mg/kg Oral (Rat) LD ₅₀ 2740 mg/kg Skin (Rabbit)
Citric Acid	77-92-9	5-15	LD ₅₀ 3000 mg/kg Oral (Rat)

Section III. Physical and Chemical Properties

Appearance: Clear green liquid
PH (100%): 1-3
Boiling Point: >100°C

Odour: Mild acid
Solubility in Water: 100%
Specific Gravity: 1.15

Section IV. Fire and Explosion Hazard Data

Flash Point (TCC): >100°C
Extinguishing Media: Match media to surrounding fire.

Hazardous Combustion Products: Carbon oxides, phosphates.
Unusual Fire and Explosion Hazards: None.

Section V. Reactivity Data

Stability: Stable
Products to Avoid: Reacts with chlorine to produce chlorine gas; reacts with alkalis

Conditions to Avoid: None known
Hazardous Decomposition Products: None known

Section VI. Toxicological Properties

Effects of Overexposure

Eyes: Severely corrosive; may cause corrosive burns.
Skin: Severely corrosive; may cause corrosive burns.
Ingestion: Harmful and corrosive if swallowed. May cause burns to mouth, throat and stomach.
Inhalation: May cause irritation and corrosive effects to nose, throat and respiratory tract.



Section VII. First Aid Measures

- Eye Contact:** Immediately flush with cool running water for 15 minutes, removing contact lenses and keeping eyelids open. Obtain medical attention immediately.
- Skin Contact:** Immediately flush with cool running water for 15 minutes, removing contaminated clothing. Obtain medical attention if immediately.
- Ingestion:** Do not induce vomiting unless directed to do so by medical personnel. Rinse mouth, then drink plenty of water. Never give anything by mouth to an unconscious person. Call a physician immediately.
- Inhalation:** If breathing is difficult, remove to fresh air. If not breathing, give artificial respiration. Obtain medical attention immediately.

Section VIII. Preventative Measures

Personal Protective Equipment

- Eyes:** Use chemical splash goggles. For continued or severe exposure, wear a face shield over the goggles.
- Skin:** Wear chemical resistant, impervious gloves. Wear other protective equipment as necessary to prevent skin contact.
- Respiratory:** If vapours are not adequately controlled by ventilation, use appropriate respiratory protection, as determined by exposure levels, hazards of the product, and the safe working limits of the selected respirator.

Spill or Leak Procedures

- Cleanup:** Flush residue or small spills to sanitary sewer. Dike or dam large spills. Pump to containers or soak on inert absorbent and place in suitable containers for disposal.
- Waste Disposal:** Dispose of in accordance with Federal, Provincial and Municipal regulations.

Handling and Storage

- Handling:** Danger. Corrosive. Causes eye and skin burns. Rinse thoroughly with water after contact. Harmful if swallowed.
- Storage:** Keep out of reach of children. Keep container tightly closed. Store in cool, well-ventillated area.

Section IX. Preparation and Other Information

- Prepared By:** Regulatory Affairs **Date:** July, 2008
- Manufactured By:** Sanilabs, Inc., 90 Turbine Drive Unit#10, Toronto, Ontario M9L 2S2
- Telephone:** (416) 744-0040 **Fax:** (416) 744-0020
- Website:** www.sanilabs.com

Emergency Response Number: CANUTEC (613) 996-6666 (Collect)

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