

The ServiceMaster Company
One ServiceMaster Way
Downers Grove, IL 60515

MATERIAL SAFETY DATA SHEET
(Complies with 29 CFR 1910.1200)
Emergency Telephone Number (708) 964-1300

KitchenBrite Delimer

Page 1 of 1

SECTION I

Product (Trade) Name - KitchenBrite Delimer
Manufacturer's Name - The ServiceMaster Company
Address - One ServiceMaster Way - Downers Grove, IL 60515
Emergency Telephone No. - (708) 964-1300
Chemical Name and Synonyms - N/A
Chemical Family - N/A
Formula: - N/A DOT Hazard Class: Corrosive liquid, N.O.S. (Phosphoric Acid)
DOT ID Number: NA 1760

SECTION II - HAZARDOUS INGREDIENTS

Ingredient	C.A.S. No.	Wt. by %	OSHA PEL	ACGIH TLV	ACGIH/OSHA STEL	Listed as Carcinogenic by IARC, NTP, OSHA, ACGIH
Phosphoric acid	7664-38-2	30-35	1 mg/m ³	1 mg/m ³	3 mg/m ³	No

In accordance with OSHA's Hazard Communication Standard, ingredients listed in this section are those identified as being hazardous and present at concentrations greater than 1%, or greater than 0.1% if the substance is a listed carcinogen. Information concerning ingredients identified as "Proprietary" will be made available as provided in 29 CFR 1910.1200(i).

SECTION III - PHYSICAL DATA

Boiling Point (°F): N/D
Vapor Pressure (mm hg): N/D
Vapor Density (Air = 1): 1
Solubility in Water: Complete
Appearance and Odor: Odorless lime green liquid.
pH of Concentrate: 2
Specific Gravity (H₂O = 1): 1.2
Percent Volatile By Weight: 65-68
Evaporation Rate: 1 (water = 1)

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point (Tag, Closed Tester): N/A
Flammable Limits (%): LEL N/A UEL N/A

Extinguishing Media: Not combustible. Use media appropriate to materials actually involved in fire.

Special Fire Fighting Procedures: None.

Unusual Fire and Explosion Hazards: Containers in vicinity of fire should be cooled to prevent overheating and decomposition of contained phosphoric acid with release of toxic phosphorus oxide fumes. Phosphoric acid will liberate flammable hydrogen upon contact with many metals.

SECTION V - HEALTH HAZARD DATA

Primary Route(s) of Exposure: Skin contact, inhalation.
Threshold Limit Value: N/D for mixture. See Section II for TLV of hazardous ingredients.
Effects of Overexposure

- Acute
By Inhalation: Mist can cause damage to nasal and respiratory passages.
By Eye Contact: Irritant to eyes. Can cause severe acid burns if eyes contacted directly.
By Skin Contact: Can cause severe acid burns. Absorption will not occur if skin is not broken.
By Ingestion: Irritation and damage to mucous membranes.
- Chronic: None known.
- Medical Conditions Generally Aggravated by Exposure: Some pre-existing skin and respiratory disorders.

Emergency and First Aid Procedures

For Inhalation: Remove to fresh air immediately. Support respiration if necessary. Get medical attention.
For Eye Contact: Immediately flush with water for 15 minutes, lifting upper and lower lids occasionally to ensure flushing of entire eye surface. Get medical attention. PROMPT TREATMENT IS IMPORTANT TO MINIMIZE EFFECTS.

For Skin Contact: Immediately flush affected area with water, then wash with soap and water. If clothing is penetrated, immediately use safety shower or other means to drench affected area with water. Remove clothing while under shower. Flush skin with water for 15 minutes. Get prompt medical attention. Launder clothing before reuse.
For Ingestion: If person is conscious, immediately administer large quantities of water. Do NOT induce vomiting. Get immediate medical attention.

SECTION VI - REACTIVITY DATA

Stability: Stable
Conditions to Avoid: Do not mix with chlorine bleach or any other materials containing chlorine.
Incompatibility (Materials to Avoid): Reactive metals (aluminum, mild steel). Chlorine containing materials. Vigorous reaction with basic materials (lime soda ash, caustic soda, etc.).
Hazardous Decomposition Products: When involved in fire or at equivalent temperatures, contained phosphoric acid will emit toxic phosphorus oxide fumes.
Hazardous Polymerization: Will not occur.

SECTION VII - SPILL OR LEAK PROCEDURES

Steps to be Taken in Case Material is Released or Spilled - Contain spilled material to prevent discharge to the environment. Neutralize cautiously with base such as soda ash, small spills once neutralized may be flushed to sanitary sewer.

Waste Disposal Method - Consign large quantities to licensed waste hauler for disposal as hazardous waste. Dispose of all waste in accordance with local, State, and Federal regulations.

Hazardous Waste Classification: D002 (corrosive)

SECTION VIII - SPECIAL PROTECTION INFORMATION

For Handling Product as Supplied
Respiratory Protection - If excessive misting occurs, use NIOSH-approved acid gas respirator.
Ventilation - Use in well-ventilated area. If necessary, provide sufficient local exhaust to maintain exposure below TLV (see Section II).
Protective Gloves - NBR.
Eye Protection - Chemical splash goggles.
Other Protective Equipment - Impervious clothing or apron as required to limit skin contact.

SECTION IX - SPECIAL PRECAUTIONS

Precautions to be taken in handling and storing: Store away from heat and separate from strong alkalis.
Other precautions: Avoid contact with skin and eyes.

SECTION X - ADDITIONAL INFORMATION

SARA 313 Information: This product contains the following substances which are subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) and 40 CFR Part 372:

Chemical Name	CAS Number	Concentration
Phosphoric Acid	7664-38-2	30-35%

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Title: Occupational Safety and Health Coordinator

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Supersedes previous form dated: April 19, 1988