

The ServiceMaster Company
One ServiceMaster Way
Downers Grove, IL 60515

MATERIAL SAFETY DATA SHEET

(Complies with 29 CFR 1910.1200)
1/800/333-6678

Bowl Descaler

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SECTION I

Product (Trade) Name
Manufacturer's Name
Address
Emergency Telephone No
Chemical Name and Synonyms
Chemical Family
Formula
DOT Hazard Class
DOT ID Number

Bowl Descaler
The ServiceMaster Company
One ServiceMaster Way
Downers Grove, IL 60515
1/800/333-6678
N/A
N/A
N/A
Consumer Commodity, ORM-D
N/A

SECTION II -- HAZARDOUS INGREDIENTS

Ingredient	C.A.S. No.	Wt. by %	OSHA TLV-TWA		Other Limit	Listed As Carcinogenic By IARC, NTP OSHA, ACGIH
			PEL	ACGIH		
Hydrochloric Acid	7647-01-0	7.5-9.5%	5 ppm C	5 ppm C	N/A	No

C = Ceiling Limit - not to be exceeded at any time during the work shift.

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): > 212
Vapor Pressure (mm hg): N/D
Vapor Density (Air = 1): > 1
pH of Concentrate: < 1
Appearance and Odor: Clear, bluish liquid

Specific Gravity (H₂O = 1): 1.05
% Volatile by Weight: 97
Evaporation Rate: ~1
Solubility in Water: Complete

SECTION IV -- FIRE AND EXPLOSION HAZARD DATA

Flash Point (Tag, Closed Tester): > 200°F
Flammable Limits: LEL UEL
N/A N/A
Extinguishing Media: Product is not combustible. Use media appropriate for material actually involved in fire.
Special Fire Fighting Procedures: Use protective equipment against acid fumes.
Unusual Fire and Explosion Hazards: Heat of fire may cause rupture of containers and release of acid fumes.

SECTION V -- HEALTH HAZARD DATA

Primary Route(s) of Exposure: Inhalation, skin contact.
Threshold Limit Value: N/D for mixture. See Section II for TLV's of hazardous ingredients.
Effects of Overexposure:
By Inhalation: Irritation of respiratory tract with burning, choking, and coughing.
By Eye Contact: Corrosive burns of eyes.
By Ingestion: Corrosive burns of mucous membranes with pain, gastroenteritis, nausea, vomiting, shock. Gastric perforation and circulatory collapse may occur.
By Skin Contact: Corrosive burns of skin.
Chronic: Prolonged or repeated skin contact may cause irritation or skin rash.
Medical Conditions Generally Aggravated by Exposure: Some pre-existing respiratory diseases.

Emergency and First Aid Procedures:
For Inhalation: Move to fresh air. Give artificial respiration if affected person is not breathing and get medical attention.
For Eye Contact: Flush with water for at least 15 minutes lifting upper and lower lids occasionally. Call a physician immediately.
For Ingestion: Dilute immediately with large quantities of milk or water. Give demulcent such as milk of magnesia. Do NOT induce vomiting. Avoid carbonates and bicarbonates. Call a physician.
For Skin Contact: Wash thoroughly with copious amounts of water for at least 15 minutes. Remove contaminated clothing and wash before reuse. Get medical attention.

SECTION VI -- REACTIVITY DATA

Stability: Stable
Incompatibility (Materials to Avoid): Material containing ammonia; alkaline products, certain metals such as zinc, aluminum.
Hazardous Decomposition Products: On exposure to fire (or equivalent temperatures), release of hydrogen chloride fumes and chlorine gas.
Hazardous Polymerization: Will not occur.

SECTION VII -- SPILL OR LEAK PROCEDURES

Steps To Be Taken In Case Material Is Released Or Spilled: Ventilate area to dissipate fumes. Neutralize with sodium carbonate or bicarbonate. Add absorbent and remove with shovel or wash away with water.
Waste Disposal Method: Unneutralized material must be disposed of as hazardous waste. Neutralized material may be flushed to sewer or disposed of in a landfill.
Hazardous Waste Classification: D002

SECTION VIII -- SPECIAL PROTECTION INFORMATION

For Handling Product as Supplied:
Respiratory Protection - If TLV is exceeded, a NIOSH approved chemical respirator with acid vapor cartridge. Avoid inhalation of fumes.
Ventilation - Provide sufficient ventilation to keep exposure below TLV.
Protective Gloves - Rubber or NBR.
Eye Protection - Chemical splash goggles.
Other Protective Equipment - If splashing occurs during use, wear impervious apron and/or clothing as required to avoid skin contact.

SECTION IX -- SPECIAL PRECAUTIONS

Precautions To Be Taken In Handling And Storing: Store in a cool, dry location away from bleaches, ammonia, and strongly alkaline material.
Other Precautions: Empty container may be hazardous. Rinse thoroughly before disposing. All safety and hazard precautions on this sheet must be observed.

Prepared By: Kevin T. Wagner

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