MATERIAL SAFETY DATA SHEET
(COMPLIES WITH 29CFR 1910.1200)

SECTION I - CHEMICAL PRODUCT & COMPANY IDENTIFICATION
Identity (As Used on Label and List): 2300 Bowl Cleaner
Product Class: Acid cleaner
Emergency Telephone Number: 800-255-3924
Telephone Number for Information: 651-481-1900
Manufacturer's Name and Address: Multi-Clean®
600 Cardigan Road
Shoreview, MN 55126

SECTION II - COMPOSITION/INFORMATION ON INGREDIENTS
Hazardous Components (Specific Chemical Identity):
Chemical Common Name(s) %
A Hydrogen chloride 23.0
B Water 60 - 100

SECTION III - HAZARDS IDENTIFICATION
Emergency Overview
Appearance and Odor: Pink liquid, acid odor.
Primary Hazards: Corrosive
Potential Health Hazards
Eye: May cause severe burns.
Skin: May cause severe burns.
Ingestion: May be harmful or fatal if swallowed.
Inhalation: Vapors may be harmful.
Signs and Symptoms of Exposure: Severe irritation on direct contact.
Carcinogenicity: NTP? No IARC Monographs? No
OSHA Regulated? No
Target Organ(s): Eyes, skin, respiratory system.
Medical Conditions Generally Aggravated by Exposure: N. Av.
Health Hazards, Chronic: N. Av.

SECTION IV - FIRST AID MEASURES
Emergency and First Aid Procedures:
If Swallowed: Call a Poison Control Center or doctor for treatment advice. Rinse mouth
with water. Then drink 1-2 glasses of water. Never give anything by mouth to an
unconscious person. Do not induce vomiting unless told to do so by the Poison Control
Center or Doctor. Get immediate medical attention.
Eye Contact: Flush eyes with running water for at least 15 minutes. Remove contact
lenses, if present after 5 minutes, then continue rinsing eye. Get immediate medical
attention. Skin Contact: Flush with water for 15 minutes. Remove and wash
contaminated clothing. Flush area for 15-20 minutes. Call doctor for treatment advice.
Sources Used: Raw material data, general toxicology from the trade for similar
products.

SECTION V - FIRE FIGHTING MEASURES
Flammability: Non-flammable
Flash Point (method used): None
Flammable Limits: N. Ap. LEL UEL
Vaporizing Liquid? Other?
Unusual Fire and Explosion Hazards: Hydrogen chloride is non-flammable, however flammable hydrogen gas can be generated when it is in contact with metals.
TDG Flammability Classification: Non-flammable
Sensitivity to Mechanical Impact: None
Sensitivity to Static Discharge: None

SECTION VI - ACCIDENTAL RELEASE MEASURES
Steps to be Taken in Case Material is Released or Spilled:
Dike and contain spill with inert material (sand, earth, etc). Collect spill with mop, absorbent material (example: floor-dri) or vacuum. Thoroughly rinse affected area with water.

SECTION VII - HANDLING AND STORAGE
Precautions to be Taken in Handling and Storing:
Normal care in handling and storage.
Other Precautions: Keep out of reach of children. Keep from freezing.

SECTION VIII - EXPOSURE CONTROLS/PERSOAL PROTECTION
Respiratory Protection (Specify Types): Not required when ventilation is sufficient to
maintain hydrogen chloride vapor level below listed TLV (Section XI).
Ventilation: Local Exhaust: Not required Special: Not required
Mechanical (General): As required to keep vapor levels below listed TLV (Section XI). Other: Not required
Protective Gloves: Chemical resistant rubber
Eye Protection: Approved safety goggles or glasses.
Footwear: Chemical resistant footwear may be required.
Other Protective Clothing or Equipment: Not required

Work/Hygienic Practices: Do not breath vapors or fumes. Do not contaminate food or
beverages with cleaning chemicals.

SECTION IX - PHYSICAL/CHEMICAL CHARACTERISTICS
Boiling Point: Approximately 212°F (100°C)
Specific Gravity (H2O) = 1.1
% Volatile: > 90
Vapor Density (Air = 1): > 1
Odor Threshold: N. Av.
Evaporation Rate (Butyl Acetate = 1): N. Av.
Oil/Water Distribution
Solubility in Water: Complete
Coefficient: N. Av.
Vapor Pressure (MM HG): N. Av.

SECTION X - STABILITY AND REACTIVITY
Stability: Unstable
Conditions to Avoid: Avoid contact with metals.
Incompatibility (materials to avoid): Chlorine bleach, oxidizing agents.
Hazardous Decomposition or By-products: N. Av.
Hazardous Polymerization: May occur: N. Av.

SECTION XI - TOXICOLOGICAL INFORMATION
Chemical OSHA PEL ACGIH TLV Recom. LD50 LC50
A 5 ppm 5 ppm N. Av. N. Av. N. Av.
B None None N. Av. N. Av. N. Av.

Teratogen, Mutagen, Reproductive Toxin Status: N. Av.
Toxico logically Synergistic Products: N. Av.

SECTION XII - ECOLOGICAL INFORMATION
Ecototoxicological Information: N. Av.
Chemical Fate Information: N. Av.

SECTION XIII - DISPOSAL CONSIDERATIONS
Waste Disposal Method: Neutralize and dispose of spilled material as a pesticide in accordance with local, state and federal regulations. Waste from normal cleaning procedures may be sewered.
RCRA Hazard Class: DOO2, characteristic corrosive.

SECTION XIV - TRANSPORT INFORMATION
Stability Classification: DOT: ORM D Consumer Commodity
IATA & IMDG: UN 3264, Corrosive liquid, Acidic inorganic N.O.S. (Hydrochloric acid) 8, PG II

SECTION XV - PREPARATION DATA
Prepared By: Ron Camp
Telephone Number: 651-481-1900
Date: 4-12

SECTION XVI - REGULATORY INFORMATION
US Federal Regulations
TSCA Status: All ingredients listed.
CERCLA Reportable Quality: > 5,000 lbs.
SARA Title III
Section 302 Extremely Hazardous Chemicals: None
Section 311/312 Hazard Category: Immediate health, chronic health
Section 313 Toxic Chemicals: Hydrochloric acid
State Regulations
International Regulations

SECTION XVII - OTHER INFORMATION
None

N. Ap. - Not Applicable; N.Av. - Not Available

NFPA SYSTEM
3 A. Health Hazard 0 A. Fire Hazard 0 A. Reactivity Hazard

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