MATERIAL SAFETY DATA SHEET

(Complies with 29CFR 1910.1200)

SECTION I - CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Identity (As Used on Label and List): 950 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 9.5
CAS #7647-01-0

CAS #7732-18-5

SECTION III - HAZARDS IDENTIFICATION

Emergency Overview
Appearance and Odor: Green liquid, acid odor.
Primary Hazards: Corrosive
Potential Health Hazards
Route(s) of Entry: Skin Absorption: X Ingestion: Inhalation: X
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
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

Flash Point (method used): None
Water? x Foam? x Water Fog? X
Alcohol Foam? CO2? Dry Chemical?
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-dry) 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 where ventilation is sufficient to maintain hydrogen chloride vapor level below listed TLV (Section XI).
Ventilation: Local Exhaust: Not required
Mechanical (General): As required to keep vapor levels below listed TLV (Section XI).
Protective Gloves: Chemical resistant rubber
Eye Protection: Approved safety goggles or glasses.
Footwear: Chemical resistant footwear may be required.

SECTION IX - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: Approximately 212°F (100°C)
Specific Gravity (H2O = 1): 1.06
% Volatile: > 95
Vapor Density (Air = 1): > 1
Odor Threshold: N. Av.
Evaporation Rate (Butyl Acetate = 1): N. Av.
Oil/Water Distribution
Solubility in Water: Complete
Vapor Pressure (MM HG): N. Av.

SECTION X - STABILITY AND REACTIVITY

Stability: Unstable Stable: X
Conditions to Avoid: None known.
Incompatibility (materials to avoid): Do not mix with chlorine bleach or oxidizing agents.
Hazardous Decomposition or By-products: N. Av.
Hazardous Polymerization: May occur: Will not occur: X

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.
Toxicologically Synergistic Products: N. Av.

SECTION XII - ECOLOGICAL INFORMATION

Ecotoxicological Information: N. Av.
Chemical Fate Information: N. Av.

SECTION XIII - DISPOSAL CONSIDERATIONS

Waste Disposal Method: Neutralize and dispose of spilled material 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

Shipping 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

1 A. Health Hazard 0 A. Fire Hazard 0 A. Reactivity Hazard

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