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MATERIAL SAFETY DATA SHEET

MANUFACTURED FOR: K & K Chemical Co.
TELEPHONE NO.: (800) 327-0646
ADDRESS: 1303 Industrial Drive, Royse City, TX 75189

PRODUCT: VIRU-DOOM (HBV)TM Disinfectant Spray Cleaner MSDS Prepared By: J. Austin Maglothlin, Ph.D.
PART NUMBER: K-519 Revision Date: April 13, 2010

SECTION I - GENERAL

Chemical Name & Synonym: None
Trade Name & Synonyms: VIRU-DOOM (HBV)TM
Chemical Family: Quaternary Ammonium Chloride Disinfectant/Detergent Blend
Formula: Trade secret

SECTION II - HAZARDOUS INGREDIENTS

No hazardous ingredients >1%

SECTION III - PHYSICAL AND CHEMICAL DATA

Boiling Point (°C): 99 C
Vapor Pressure (mm Hg @ 20°C): 20
Vapor Density (Air = 1): >1
Specific Gravity (H₂O = 1): 1.036
% Volatile by Volume: 98+
Evaporation Rate (H₂O = 1): <1
Solubility in Water: Miscible
pH: 10.5-11.0
Appearance and Odor: Clear thin colorless liquid with lemon odor.
Others: None

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flammable Limits (%):
- LEL: Not applicable
- UEL: Not applicable
Flash Point (Method Used): Non-combustible
Extinguishing Media: Use media applicable to surrounding fire.
Special Fire Fighting Procedures: Use techniques applicable to surrounding fire.
Unusual Fire & Explosion Hazards: None

SECTION V - HEALTH HAZARD DATA

Route of Entry: Skin absorption, eye contact, ingestion, inhalation.
Carcinogenic Assessment: Not listed
Threshold Limit Value: Not applicable
Effects of Overexposure: Skin absorption: Mild skin irritant. Prolonged or repeated contact may cause dermatitis.
Eye contact: Irritant. Liquid and mists may injure the eyes, causing corneal damage.
Ingestion: Irritating to mouth, throat and gastrointestinal system. Burning pain and diarrhea expected with large doses.
Inhalation: Mists may be irritating to nose, throat and lungs
Skin contact: Remove contaminated clothing. Flush affected area with large quantities of water. Seek medical attention if irritation persists.
Eye contact: Flush with large quantities of water, holding eyelids open. Seek medical attention
Ingestion: Drink large quantities of milk with water. Seek medical attention immediately.

Emergency & First Aid Procedures

SECTION VI - REACTIVITY DATA

Stability: Stable
Incompatibility (Materials to Avoid): None
Hazardous Decomposition Products: None
Hazardous Polymerization: Will not occur

SECTION VII - SPILL OR LEAK PROCEDURE

Steps To Be Taken In Case Material Is Released Or Spilled: Wash away with water.
Waste Disposal Method: Dilute with water and flush to sewer. Rinse container well before discarding in an authorized landfill.

SECTION VIII - SPECIAL PROTECTION INFORMATION

Respiratory Protection: None required
Ventilation: Local exhaust is adequate
Protective Gloves: Latex or vinyl if desired
Eye Protection: Safety glasses recommended
Other Protective Equipment: None required

SECTION IX - SPECIAL PRECAUTIONS

Precautions To Be Taken In Handling And Storing: Store in original container. Protect from freezing. Keep container closed when not in use.
Other Precautions: Keep out of reach of children. Read and follow label directions.
PESTICIDE - EPA REG NO. 61178-2: Consult product label for additional information.
DOT Classification: Not regulated

Manufactured by: Misco Products Corporation, 1048 Stinson Drive, Reading, PA 19605 Phone #: 610-926-4106