Tea Gel™ for Profiling, HD24, Tea Gel™ for Flatfooding™
Concrete Surface Preparation and Decorative Treatment
Colored/Opaque Gel
Hydrochloric Acid (Hydrogen Chloride)
Mineral Acid
HCL Mixture

Company Telephone Number:
Surface Gel Tek: 480-970-4580

Emergency Telephone Numbers:
Chemtrec:
US & Canada: 800-424-9300
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Surface Gel Tek, LLC
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MATERIAL SAFETY DATA SHEET AND WARRANTY
Date: Revised March 2004

Section I: Identification
Product Name: Tea Gel™ for Profiling, HD24, Tea Gel™ for Flatfooding™
Concrete Surface Preparation and Decorative Treatment
Color Name: Colored/Opaque Gel
Chemical Name: Hydrochloric Acid (Hydrogen Chloride)
Chemical Family: Mineral Acid
Chemical Formula: HCL Mixture

Section II: Hazardous Ingredients
Composition
Hydrochloric Acid (Hydrogen Chloride) Weight 16-25%

OSHA TWA 5 ppm
ACGIH TLV 5 ppm (air)
CAS No. 7647-01-0
Other Limits Recommended

DOT: Hydrochloric Acid Solution, 8, UN 1789 PG II
NMFC: 4320-1 Class 70

Boiling Point: Will not boil, simply degrades
Specific Gravity (H2O-1): 1.2

Vapor Pressure (mm Hg.): 4 ATM @ 17.8 C
Melting Point: NA

Vapor Density (AIR-1):
( Hydrogen Chloride) 1.26
Evaporation Rate (Butyl Acetate-1): NA

Solubility in Water: Complete
Appearance and Odor: Colored/Opaque Gel
Irritating, pungent odor

Flash Point: Greater than 200° C
Flammable Limits: NA

Extinguishing Media: Dry Chemical, CO2
Special Fire Fighting Procedures: None

Unusual Fire and Explosion Hazards: Under disaster conditions, HCL will react with water or steam to produce toxic and corrosive (Chloride) fumes.

Stability: Stable
Conditions to avoid: Poor ventilation, contamination/alkali or active metals

Incompatibility Materials to Avoid: Strong oxidizers, caustics, fabrics, carpet, contact with metals & marble

Hazardous Decomposition or Byproducts: None
Hazardous Polymerization: Will not occur

Section III: Physical and Chemical Characteristics

Routes of Entry: Inhalation? Possible Skin? Possible Ingestion?

Health Hazards
Burning of mucous membranes on contact. May burn Skin. Coughing/choking if acid fumes are inhaled.

Carcinogenicity: None

Signs and Symptoms of Exposure: Burning sensation from exposed areas

Medical Conditions Generally Aggravated by Exposure: Respiratory distress possible in poorly ventilated area

Accidental Release or Spill: Flush to sewer with large amounts of water

Waste Disposal Method: Normally-dilution with water and discharge to sewer will be satisfactory. Follow all Local, State, Federal chemical disposal regulations

Precautions to take in Handling/Storage: Avoid rupturing of containers, do not store in areas subject to high temperatures. Store out of direct sunlight

Other Precautions: Use with Care. KEEP OUT OF REACH OF CHILDREN

Section IV: Fire and Explosion Hazard Data

Section V: Reactivity Data

Incompatibility Materials to Avoid: Strong oxidizers, caustics, fabrics, carpet, contact with metals & marble

Hazardous Decomposition or Byproducts: None
Hazardous Polymerization: Will not occur

Section VI: Health Hazard Data

Section VII: Precautions for Safe Handling and Use

Respiratory Protection: Half-face respirator with acid mist cartridge if used in poorly ventilated area

Ventilation: Local exhaust required if used in confined area

Protective Gloves: Yes-PVC or Neoprene
Eye Protection: Yes-Chemical splash goggles

Other Protective Clothing or Equipment: Long sleeve shirt/pants or other protective clothing
Work/Hygienic Practices: Use appropriate amounts to avoid physical contact

Section VIII: Control Measures

This MSDS should not be construed as product sales literature. Surface Gel Tek, LLC disclaims all expressed or implied warranties or merchantability and fitness for a particular purpose with respect to the information provided herein.

Warranty
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