



MATERIAL SAFETY DATA SHEET AND WARRANTY

Date: Revised March 2004

Section I: **Identification**

HEALTH	3
FLAMMABILITY	0
REACTIVITY	0
PROTECTION	H

Product Name:	Tek Gel™ for Profiling, HD24, Tek Gel™ for Flattopping™ 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		
Emergency Telephone Numbers:	Chemtrec:	US & Canada: 800-424-9300 International: 703-527-3887	
Company Telephone Number:	Surface Gel Tek:	480-970-4580	

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 IDLH 100 ppm
		DOT: Hydrochloric Acid Solution, 8, UN 1789 PG II					
		NMFC: 4320-1 Class 70					
Section III:	Physical and Chemical Characteristics	Boiling Point: Will not boil, simply degrades			Specific Gravity (H ₂ O-1): 1.2		
		Vapor Pressure (mm Hg.): 4 ATM @ 17.8 C			Melting Point: NA		
		Vapor Density (AIR-1): 1.26		Evaporation Rate (Butyl Acetate-1): NA			
		Solubility in Water; Complete		Appearance and Odor: Colored/Opaque Gel Irritating, pungent odor			
Section IV:	Fire and Explosion Hazard Data	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.					
Section V:	Reactivity Data	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 VI:	Health Hazard Data	Routes of Entry: Inhalation?	Possible	Skin?	Possible	Ingestion?	
		Health Hazards (Acute/Chronic) 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					
Section VII:	Precautions for Safe Handling and Use	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 VIII:	Control Measures	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 Avoid physical contact			

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Warranty

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