



**MATERIAL SAFETY DATA SHEET AND WARRANTY**

Date: Revised March 2004

Section I: **Identification**

HEALTH	3
FLAMMABILITY	0
REACTIVITY	0
PROTECTION	H

Product Name:	<b>Tek Gel™ for Profiling, HD24, Tek Gel™ for Flattoothing™ Concrete Surface Preparation and Decorative Treatment</b>		
Color Name:	<b>Colored/Opaque Gel</b>		
Chemical Name:	<b>Hydrochloric Acid (Hydrogen Chloride)</b>		
Chemical Family:	<b>Mineral Acid</b>		
Chemical Formula:	<b>HCL Mixture</b>		
Emergency Telephone Numbers:	<b>Chemtrec:</b>	<b>US &amp; Canada: 800-424-9300 International: 703-527-3887</b>	
Company Telephone Number:	<b>Surface Gel Tek:</b>	<b>480-970-4580</b>	

Section II:	<b>Hazardous Ingredients</b>	Composition <b>Hydrochloric Acid (Hydrogen Chloride)</b>	Weight <b>16-25%</b>	OSHA TWA <b>5 ppm</b>	ACGIH TLV <b>5 ppm (air)</b>	CAS No. <b>7647-01-0</b>	Other Limits Recommended <b>IDLH 100 ppm</b>
		DOT: <b>Hydrochloric Acid Solution, 8, UN 1789 PG II</b>					
		NMFC: <b>4320-1 Class 70</b>					
Section III:	<b>Physical and Chemical Characteristics</b>	Boiling Point: <b>Will not boil, simply degrades</b>			Specific Gravity (H <sub>2</sub> O-1): <b>1.2</b>		
		Vapor Pressure (mm Hg.): <b>4 ATM @ 17.8 C</b>			Melting Point: <b>NA</b>		
		Vapor Density (AIR-1): <b>1.26</b>		Evaporation Rate (Butyl Acetate-1): <b>NA</b>			
		Solubility in Water; <b>Complete</b>		Appearance and Odor: <b>Colored/Opaque Gel Irritating, pungent odor</b>			
Section IV:	<b>Fire and Explosion Hazard Data</b>	Flash Point: <b>Greater than 200° C</b>		Flammable Limits: <b>NA</b>			
		Extinguishing Media: <b>Dry Chemical, CO<sub>2</sub></b>		Special Fire Fighting Procedures: <b>None</b>			
		Unusual Fire and Explosion Hazards: <b>Under disaster conditions, HCL will react with water or steam to produce toxic and corrosive (Chloride) fumes.</b>					
Section V:	<b>Reactivity Data</b>	Stability: <b>Stable</b>		Conditions to avoid: <b>Poor ventilation, contamination/alkali or active metals</b>			
		Incompatibility Materials to Avoid: <b>Strong oxidizers, caustics, fabrics, carpet, contact with metals &amp; marble</b>					
		Hazardous Decomposition or Byproducts: <b>None</b>		Hazardous Polymerization: <b>Will not occur</b>			
Section VI:	<b>Health Hazard Data</b>	Routes of Entry: Inhalation? <b>Possible</b>		Skin? <b>Possible</b>		Ingestion?	
		Health Hazards (Acute/Chronic) <b>Burning of mucous membranes on contact. May burn Skin. Coughing/choking if acid fumes are inhaled.</b>				Carcinogenicity: <b>None</b>	
		Signs and Symptoms of Exposure: <b>Burning sensation from exposed areas</b>					
		Medical Conditions Generally Aggravated by Exposure: <b>Respiratory distress possible in poorly ventilated area</b>					
Section VII:	<b>Precautions for Safe Handling and Use</b>	Accidental Release or Spill: <b>Flush to sewer with large amounts of water</b>					
		Waste Disposal Method: <b>Normally-dilution with water and discharge to sewer will be satisfactory. Follow all Local, State, Federal chemical disposal regulations</b>					
		Precautions to take in Handling/Storage: <b>Avoid rupturing of containers, do not store in areas subject to high temperatures. Store out of direct sunlight</b>					
		Other Precautions: <b>Use with Care. KEEP OUT OF REACH OF CHILDREN</b>					
Section VIII:	<b>Control Measures</b>	Respiratory Protection: <b>Half-face respirator with acid mist cartridge if used in poorly ventilated area</b>					
		Ventilation: <b>Local exhaust required if used in confined area</b>					
		Protective Gloves: <b>Yes-PVC or Neoprene</b>		Eye Protection: <b>Yes-Chemical splash goggles</b>			
		Other Protective Clothing or Equipment: <b>Long sleeve shirt/pants or other protective clothing</b>		Work/Hygienic Practices:		<b>Use appropriate amounts Avoid physical contact</b>	

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**Warranty**

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