

## TEK GEL FOR PROFILING

### SECTION I: IDENTIFICATION

Surface Gel Tek, LLC  
10137 Huntsman Path  
Pensacola, FL 32514

Emergency Telephone Number: 352-323-3500  
Telephone Number for Information: 850-332-6150

Product Name: Tek Gel for Profiling  
Product Use: Surface Preparation - Mixture

### SECTION II: HAZARD IDENTIFICATION

Signal Word: WARNING

**Hazard Classification:**

Corrosive to Metals, Category 1  
Acute Toxicity, Oral, Category 4  
Serious Eye Damage/Irritation, Category 2B  
Specific Organ Toxicity, Single Exposure, Category 2

**Hazard Statements:**

H290 - May be corrosive to metals.  
H302 - Harmful if swallowed.  
H319 - Causes serious eye irritation.  
H371 - May cause damage to organs. (Kidney)

**Precautionary Statements:**

P260 – Do not breathe dust/fume/gas/mist/vapours/spray.  
P264 – Wash hands thoroughly after handling.  
P270 – Do not eat, drink or smoke when using this product.  
P280 – Wear protective gloves/protective clothing/eye protection/face protection.  
P301 + P312 – IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.  
P305 + P351 + P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P307 + P311 – IF EXPOSED: Call a POISON CENTER or doctor/physician.  
P330 – Rinse mouth.  
P405 – Store locked up.  
P501 - Dispose of contents/container to an approved waste disposal plant.

**Hazard Pictograms:**



### SECTION III: HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Hazardous Components:	CAS No.	Percentage %
Hydrochloric Acid	7647-01-0	8-12%

## SECTION IV – FIRST AID MEASURES

**General Information:** Immediately remove any clothing soiled by the product and launder before reuse.

**After inhalation:** Remove to fresh air immediately. If breathing difficulty continues, **Get Medical Help.**

**After skin contact:** Immediately wash with water and soap and rinse thoroughly.

**After eye contact:** Flush thoroughly with water for 15 minutes, lifting both eyelids. If irritation persists, **Get Medical Help.**

**After ingestion:** DO NOT INDUCE VOMITING. Drink two glasses of water and **Get Immediate Medical Help.** Never give anything by mouth to an unconscious person.

**Most Important Symptoms and Effects:**

**Acute:** Ingestion

**Delayed:** Eyes, Inhalation

## SECTION V – FIRE AND EXPLOSION HAZARD DATA

**Suitable Extinguishing Media:** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable Extinguishing Media:** None known

**Fire Hazard:** Non-Flammable

**Explosion Hazard:** None

**Reactivity:** Reactions with aluminum, particularly foil, may generate flammable hydrogen gas.

**Products of Combustion:** Not Applicable

**Special Hazards Arising from the Substance or Mixture:** No further relevant information available.

**Special Remarks and Advice for Firefighters:** Firefighters should wear NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing.

## SECTION VI – ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures:** Wear protective equipment (See section VIII). Keep unprotected persons away.

**Methods and material for containment and cleaning up:**

**Spill Response:** Absorb with liquid-binding material (sand, diatomite, and universal binders.) Use neutralizing agent.

**Waste Disposal:** Dispose contaminated material as waste according to item 13. Ensure adequate ventilation.

**Environmental precautions:** Do not allow to enter sewers.

## SECTION VII – PRECAUTIONS FOR SAFE HANDLING AND STORAGE

### Handling

**Precautions for safe handling:** Ensure good ventilation. Avoid contact with aluminum and other metals. Reactions with aluminum, particularly foil, may generate flammable hydrogen gas. Use, store and transfer only with acid resistant plastic containers, DO NOT USE aluminum or any other metal container.

**Additional Hazards:** None.

**Hygiene Measures:** Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin.

### Storage

**Storage Conditions:** Keep container tightly sealed.

**Storage Area:** No special requirements.

**Incompatible Products and Materials:** Avoid contact with aluminum and other metals. Reactions with aluminum, particularly foil, may generate flammable hydrogen gas.

## SECTION VIII – EXPOSURE CONTROL MEASURES

### Exposure Limits:

CAS 7647-011-1 Hydrochloric Acid

PEL	5 ppm / 7 mg/m <sup>3</sup> (ceiling)
TVL	2 ppm / 3 mg/m <sup>3</sup> (ceiling)

**Appropriate Engineering Controls:** Use local ventilation

### Personal Protective Equipment:



**Hand:** Protective Gloves - Wear gloves of adequate length to offer appropriate skin protection from splashes. Nitrile, Butyl and PVC gloves have been found to offer adequate protection for incidental contact.

**Eye:** Safety Glasses

**Skin and Body:** Non-absorptive boots.

**Respiratory:** None required.

**Additional Information:** None

## SECTION IX – PHYSICAL/CHEMICAL CHARACTERISTICS

Appearance	Form: Liquid Color: Blue Odor: Cherry
pH-value:	1-2
Boiling Point/Boiling Range:	~212°F / 100°C
Freezing Point:	NE
Flash Point:	None
Auto Igniting:	Product is not self-igniting.
Vapor Pressure:	NE
Vapor Density:	1.12 - 1.30 g/cm <sup>3</sup>
Viscosity:	NA
Solubility:	Soluble
Evaporation Rate:	NE
Flammability:	Non-flammable
Decomposition Temperature:	NE

## SECTION X – REACTIVITY DATA

**Conditions to be avoided:** No decomposition if used according to specifications.

**Incompatible materials:** Bases, amines, alkali metals, metals - especially aluminum, permanganates, Fluorine, metal acetylides, hexalithium disilicide, and bleach.

**Hazardous Decomposition Products:** No dangerous decomposition products known

**Reactivity:** Reacts with aluminum.

**Chemical Stability:** Stable

**Possibility of Hazardous Reactions:** None known.

## SECTION XI – TOXICOLOGICAL INFORMATION

**Acute toxicity:** LD-50 Oral, rabbit, 900mg/m<sup>3</sup>

**Likely Route of Exposure:** Skin

**Exposure Symptoms:**

**Eyes:** Can cause severe irritation and eye damage.

**Skin:** Irritation and possible burns. May cause allergic reaction with some people. Avoid repeated contact.

**Inhalation:** Coughing, sore throat, shortness of breath, irritation of mucous membrane.

**Ingestion:** Sore throat, abdominal pain, burning. May cause kidney damage.

**Effects (Short-term, Long-term):**

**Immediate:** Eye irritation

**Delayed:** Skin irritation

**Chronic:** NE

**Carcinogenicity:** No

**Sensitization:** No sensitizing effects known.

## SECTION XII - ECOLOGICAL INFORMATION

**Aquatic toxicity:** No further relevant information available.

**Persistence and Degradability:** No further relevant information available.

**Behavior in Environmental Systems:** No further relevant information available.

**Bioaccumulative Potential:** No further relevant information available.

**Mobility in Soil:** Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system. Must not reach bodies of water or drainage ditch undiluted or un-neutralized.

**Other Adverse Effects:**

## SECTION XIII - DISPOSAL CONSIDERATIONS

**Recommendation:** Do not allow product to reach waterways or storm sewers. Disposal must be made in accordance with local, state and federal regulations.

**Recommended Cleansing Agent:** Water.

**Additional Information:** Refer to Section 8

## SECTION XIV – TRANSPORT INFORMATION

**UN-Number:** 1760  
**UN Proper Shipping Name:** Hydrochloric Acid  
**Transport Hazard Class:** 8 Corrosive substances  
**Packing Group:** III  
**Environmental Hazards:** None - Not a marine pollutant.

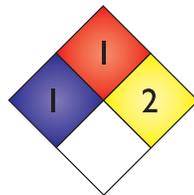


**Additional Information:** ORM-D Ground Transportation  
Only for Containers of 5L or less.  
**Special Precautions for User:** Warning: Corrosive Substances



## SECTION XV - OTHER REGULATORY INFORMATION

**NFPA Ratings (Scale 0-4)**



Health: 1  
Fire: 1\*  
Reactivity: 2

\*Material is nonflammable,  
however reactions may liberate  
flammable hydrogen gas

## SECTION XVI - OTHER INFORMATION

**Last Updated:** 6/1/2015

**NOTE:** The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, express or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to silica contained in our products. End of SDS.