



# SAFETY DATA SHEET

## 1. PRODUCT AND MANUFACTURER IDENTIFICATION

Product Name: **MICRO FINISH GEL**

**Manufacturer Name & Address:**

Arcal Chemicals, Inc.  
223 West Hampton Avenue  
Capitol Heights, MD 20743

**General Information:**

(Tel) 301-336-9300  
(Fax) 301-336-6597

**Emergency CHEMTREC:**

In case of chemical emergencies  
800-424-9300 (within USA)  
703-527-3887 (outside of USA)

## 2. HAZARDS IDENTIFICATION



**Emergency Overview:** Product primary hazard comes from prolonged contact with the skin. Remove contaminated clothing immediately and flush exposed areas with water until irritation subsides. Seek medical attention if necessary.

**Exposure routes:** Eyes, skin, ingestion, inhalation.

**Inhalation:** Hydrogen chloride may evolve as product dries.

**Eye contact:** May cause damage to eyes if product comes in contact. Use proper eye protection to avoid contact.

**Skin contact:** Prolonged or repeated contact may cause skin irritation and blistering.

**Ingestion:** Unlikely.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Components	CAS Number	Concentration	ACGIH TWA	OSHA TWA
Hydrochloric acid	7647-01-1	<20%	5 ppm	5 ppm

## 4. FIRST AID MEASURES

**Eye Contact:** Flush eyes with plenty of water for several minutes or until irritation subsides. Seek medical attention if eye irritation persists.

**Skin Contact:** Wash skin with plenty of soap and water for several minutes. Remove contaminated clothing and launder before reuse. Get medical attention if skin irritation develops or persists.

**Ingestion:** In case of unlikely ingestion, administer antacids (not sodium bicarbonate). Do not induce vomiting (to avoid getting material into lungs) and obtain medical attention immediately.

**Inhalation:** If irritation, headache, nausea or drowsiness occurs, remove to fresh air. If an acidic odor is noticeable, proceed to fresh air until adequate ventilation is established. Get medical attention if breathing becomes difficult or symptoms continue.

## 5. FIRE-FIGHTING MEASURES

<b>Flash point:</b>	None
<b>Decomposition products under fire conditions:</b>	Vapors of hydrochloric acid
<b>Unusual fire and explosion hazards:</b>	n/a
<b>Special firefighting procedures:</b>	Product will not burn, however heat may cause vapors that can be harmful and should be avoided. Granulated limestone (agricultural lime) may be used to neutralize acid run-off from containers which are punctured or overfilled with water spray.

### NFPA Flammable Liquids Classification

<b>Health</b>	<b>Flammability</b>	<b>Reactivity</b>
3	0	0

## 6. ACCIDENTAL RELEASE MEASURES

USE PERSONAL PROTECTION RECOMMENDED IN SECTION 8

<b>Environmental precautions:</b>	Prevent entry into sewers and waterways. Notify applicable government authority if release is reportable or could adversely affect the environment.
<b>Clean-up methods:</b>	Treat exposed areas with alkaline material like agricultural lime. Carefully scoop up the result and dispose in a plastic container with hazardous waste. Lime will neutralize the acid. Ventilate area to remove the hydrogen chloride gas. Dispose of in accordance with local, state, and/or federal regulations.

## 7. HANDLING AND STORAGE

<b>Handling:</b>	Use normal "good" industrial hygiene and housekeeping practices.
<b>Storage:</b>	Store product in a cool, dry, well-ventilated area, away from incompatible substances. Store containers away from heat sources and extreme temperatures.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

SEE SECTION 3 FOR EXPOSURE LIMITS.

<b>Exposure controls:</b>	Provide sufficient mechanical ventilation to maintain low exposure.
<b>Respiratory protection:</b>	Breathing apparatus is recommended if using product in confined spaces to prevent inhalation of vapors, which develop when product dries.
<b>Eye protection:</b>	Use splash-proof goggles or face shield to prevent eye exposure.
<b>Skin protection:</b>	Soiled clothing should be laundered and skin should be washed several times daily with soap and water after exposure. Use chemically resistant gloves without tears, pinholes or other signs of wear.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical state:</b>	Thickened gel-like dispersion
<b>Color:</b>	Translucent
<b>Odor:</b>	Acidic

Product Name: Micro Finish Gel

<b>Boiling point/range:</b>	>100° C / >212° F
<b>Flash point:</b>	None
<b>Solubility in water:</b>	99%
<b>Volatile Organic Content (VOC):</b>	<1 g/L
<b>Bulk density:</b>	9.6 lbs./gal
<b>pH:</b>	-0.5

## 10. STABILITY AND REACTIVITY

**Stability:** Product is not subject to polymerization.  
**Incompatible materials:** Metals, materials affected by corrosive vapors.  
**Hazardous decomposition products:** Hydrogen chloride

## 11. TOXICOLOGICAL INFORMATION

The primary irritant effect is on the skin and eyes, especially from prolonged contact. The complete product has not been tested.

## 12. ECOLOGICAL

Do not allow product to reach ground water, water course, or sewers.

## 13. DISPOSAL CONSIDERATIONS

**Recommended method of disposal:** Waste product is hazardous. Do not dispose with residential garbage or pour in waterways or sewers. Dispose of in accordance with all applicable local, state, and federal regulations.

## 14. TRANSPORT INFORMATION

### *APPLIES TO ALL MODES OF TRANSPORT*

**Proper Shipping Name:** HYDROCHLORIC ACID SOLUTION  
**Hazard Class or Division:** 8  
**Identification Number:** UN1789  
**Packing Group:** II

## 15. REGULATORY INFORMATION

**TSCA** All constituents of this product are included on the TSCA inventory.

## 16. OTHER INFORMATION

The information accumulated herein is believed to be accurate and are not a product specification. No warranty, either expressed or implied is made. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.

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