

**Material Safety Data Sheet**

May be used to comply with  
OSHA's Hazard Communication Standard 29 CFR 1910  
Standard must be consulted for specific requirements.

**U.S. Department of Labor**

Occupational Safety and Health Administration  
(Non-Mandatory Form) Form Approved OMB no.1218-0072

**Identify (Code Number, Name)**

1250310

**Double Etch****Section I Manufacturer's Name**

**Applied Research, Inc.**  
**7367 Davie Rd. Ext**  
**Hollywood, FL 33024**

Emergency Telephone Number

1-800-228-5635

Telephone # For Information

1-800-253-3500

Date Prepared: 02/13/96

**HEALTH** 3**FLAMMABILITY** 1**REACTIVITY** 0

Protective Equipment

X

Hazardous Components (Specify Chemical Identity, Common Name)	CAS #	OSHA PEL	ACGIH TLV	Other Recommended Limits	%
Hydrochloric Acid	7647-01-0	5ppm(7mg/m <sup>3</sup> )	5ppm (7mg/m <sup>3</sup> )	NA	13.0 +/-2%
DOT Shipping Classification: Corrosive Material					
This product is subject to SARA Section 313					

**Section III Physical Characteristics**

<b>Boiling Point</b>	80 deg C	<b>Specific Gravity (Water =1)</b>	1.16
<b>Vapor Pressure</b>	25	<b>Melting Point</b>	-63 deg F
<b>Vapor Density</b>	NA	<b>Evaporation Rate</b>	NA

<b>Solubility In Water</b>	Complete
<b>Appearance and Odor</b>	Red liquid, pungent, irritating odor

**Section IV Fire and Explosion Hazard Data**

Flash Point	Flammable Limits	LEL	UEL
None			

<b>Extinguishing Media</b>	Water, foam CO2 or other dry chemical
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