

PCB Etchant

REGULATORY AFFAIRS
RECEIVED

Radio Shack # 276-1535A Etchant

Material Safety Data Sheet 276-1576 Etchant Kit

U.S. Department of Labor

May be used to comply with
OSHA's Hazard Communication Standard,
29 CFR 1910.1200. Standard must be
consulted for specific requirements.

Occupational Safety and Health Administration

(Non-Mandatory Form)

Form Approved

OMB No. 1218-0072

Page 1 of 2

JUN 20 1994

IDENTITY (As Used on Label and List)

FERRIC CHLORIDE

Note: Blank spaces are not permitted. If any item is not applicable, or no
information is available, the space must be marked to indicate that.

Section I

Manufacturer's Name

7HC Corporation

Emergency Telephone Number

817/467-5090

Address (Number, Street, City, State, and ZIP Code)

2214 FM1187, #7

Telephone Number for Information

817/473-7587

Mansfield, Texas 76063

Date Prepared

June 16, 1994

Signature of Preparer (optional)

Section II — Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
Hydrochloric Acid				1.0 Max.
Ferric chloride		1mg/m ³		

Section III — Physical/Chemical Characteristics

Boiling Point	229°F	Specific Gravity (H ₂ O = 1)	
Vapor Pressure (mm Hg.)	40 mm Hg	Melting Point	Varies according to concentration.
Vapor Density (AIR = 1)	Similar to water.	Evaporation Rate	(Butyl Acetate = 1) N/A
Solubility in Water	Infinite		
Appearance and Odor	Reddish brown liquid with slightly pungent odor.		

Section IV — Fire and Explosion Hazard Data

Flash Point (Method Used)	None	Flammable Limits	LEL	UEL
Extinguishing Media	As appropriate for combustibles in area.			
Special Fire Fighting Procedures	Cool storage tank to avoid possible rupture.			

Unusual Fire and Explosion Hazards

Latent fire and explosion hazard when in contact with
metals due to generation of hydrogen gas.

(Reproduce locally)

OSHA 174, Sept. 1985

Radio Shack # 276-1535 Etchant & #276-1576 Etchant Kit PG2

Section V — Reactivity Data

Stability	Unstable		Conditions to Avoid
	Stable	XX	N/A

Incompatibility (Materials to Avoid)

Rapidly corrodes most metals. Avoid contact with alkaline metals

Hazardous Decomposition or Byproducts

Hazardous Polymerization	May Occur		Conditions to Avoid
	Will Not Occur	XX	N/A

Section VI — Health Hazard Data

Route(s) of Entry:	Inhalation?	Skin?	Ingestion?
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Health Hazards (Acute and Chronic)

Consult a physician or hospital. Will irritate eyes mouth and throat.

Carcinogenicity:	NTP?	IARC Monographs?	OSHA Regulator?
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Signs and Symptoms of Exposure

Chronic exposure may cause skin sensitization in humans. May cause nausea, vomiting.

Medical Conditions

Generally Aggravated by Exposure

No data available.

Emergency and First Aid Procedures

Stomach wash if swallowed, followed by saline catharsis and cecodyne. Flush eyes and skin with plenty of water.**Section VII — Precautions for Safe Handling and Use**

Steps to Be Taken in Case Material is Released or Spilled

Neutralize with soda ash or lime; and put in EPA approved drums.

Waste Disposal Method

Neutralize and landfill in accordance with local, state and federal regulations.

Precautions to Be Taken in Handling and Storing

Avoid damage to container. Storage tanks should be rubber lined, polyolefin or fiberglass.

Other Precautions

Section VIII — Control Measures

Respiratory Protection (Specify Type)

Not normally.

Ventilation	Local Exhaust	None	Special	N/A
	Mechanical (General)	N/A	Other	N/A

Protective Gloves

Rubber

Eye Protection

Safety glasses or faceshield

Other Protective Clothing or Equipment

Rubber apron and boots.

Work/Hygienic Practices

Wash gloves, clothing and equipment after use.