

MATERIAL SAFETY DATA SHEET

FOR SOLUTION 'A' of
Eu-Test-It[™] Base Metal Identification Kit

EUTECTIC CORPORATION

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SECTION I. IDENTIFICATION OF PRODUCT

Product Name: Solution 'A'
Use: In *Eu-Test-It*[™] Base Metal Identification Kit
Size: .50 oz. or 15ml.

SECTION II. HAZARDOUS MATERIALS

Hydrochloric Acid
CAS NO: 7647-01-0
% Solution: Approx. 15%
OSHA PeL (mg/m³): 7C (Ceiling Limit)
ACGIH TLV (mg/m³): 7.5C
SARA: Sec. 313 Toxic Chemical
Formula: HCl diluted in H₂O
Used in Product "Chemical Kit"
Synonym or Cross Reference: Hydrogen Chloride
Nature of Hazard: Corrosive
Carcinogen: No

SECTION III. PHYSICAL DATA

Appearance: Clear, colorless liquid.	Melting Point: Not Available
Vapor Pressure: 212mm Hg at 20 ^o C.	Specific Gravity: (Water =1) 1.19
Vapor Density: (Air = 1) 1.3	Percent Volatile By Volume: Negligible
Water Solubility: Complete	Evaporation Rate: (n-butyl acetate = 1): Negligible

SECTION IV. FIRE AND EXPLOSION HAZARD DATA

Flash Point: None
Extinguishing Media: Water, neutralize with chemically basic substance such as soda ash or slaked lime.
Special Fire Fighting Procedures: Wear self-contained breathing apparatus and protective clothing.
Unusual Fire and Explosion Hazard: Highly corrosive to most metals with evolution of Hydrogen gas, which is highly flammable when mixed with air.

SECTION V. HEALTH HAZARD

Threshold Limit Value: 5 ppm (10mg/M³) orl-rbt LD₅₀: 900 mg/kg concentrate. At 15% solution, 5994 mg/kg.

Health Hazards: Causes Sever Burns. May be fatal if swallowed.

First Aid Procedures: Call a physician. In case of eye contact, flush with water for at least 15 minutes. For skin contact, flood with tap water, then water containing sodium bicarbonate. If swallowed, do not give emetics. Give tap water, milk or milk of magnesia. Give whites of eggs beaten with water. Do not get in eyes, on skin or clothing. Do not breathe vapor. If inhaled, remove to fresh air. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

SECTION VI. REACTIVITY DATA

Stability: ___ Unstable X Stable

Incompatibility (Materials to Avoid): Reacts with metals to produce Hydrogen gas. Iron and aluminum are corroded readily. Avoid contact with bases.

Hazardous Decomposition Products: Toxic Hydrogen Chloride Gas.

SECTION VII. SPILL AND DISPOSAL PROCEDURES

Spills: Neutralize with soda ash/slaked lime mixture. Flush area with water.

Disposal: To be performed in compliance with all current local, state and federal regulations. Contact professional disposal service.

SECTION VIII. SPECIAL PROTECTION INFORMATION

Ventilation, Respiratory Protection, Protective Clothing, Eye Protection:

Provide adequate general mechanical and local exhaust ventilation.

Do not get in eyes, on skin, or on clothing.

Protect eyes and skin with safety goggles and gloves. Do not breathe vapor.

SECTION IX. HANDLING AND STORING PRECAUTIONS

Special Handling and Storing Precautions: Keep in a tightly closed container in a cool, well ventilated area separated from incompatible materials. Handle empty containers with caution. Wash thoroughly after handling. Do not remove the permanent cap from the individual bottles or transfer into other containers. There is a maximum of one ounce of solution per bottle. If used properly, and the cap is not removed, possible exposure is limited to approximately 1/400th of an ounce per test.

SECTION X. MISCELLANEOUS INFORMATION

NFPA 704:	Health	Flammability	Reactivity
	3	0	0

Do not get in eyes, on skin or clothing. Do not breathe vapor. Wash thoroughly after handling.

Date Issued: 5/2/94

The information provided in this Material Safety Data Sheet has been compiled from our experience and data presented in various technical publications. In preparation of this document we relied in part upon existing hazard communications provided to us by suppliers in accordance with Occupational Safety and Health Admin., Labor, Section 1910.1200(e)(3). It is the users responsibility to determine the suitability of this information for the adoption of safety precautions as may be necessary. WE MAKE NO WARRANTY OF MERCHANTABILITY OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED with respect to such information.

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