

U.S. DEPARTMENT OF LABOR
Occupational Safety and Health Administration

Form Approved
OMB No. 44-R1387

MATERIAL SAFETY DATA SHEET

JUN 1985

Required under USDL Safety and Health Regulations for Ship Repairing,
Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)

SECTION I

MANUFACTURER'S NAME RICCA CHEMICAL COMPANY		EMERGENCY TELEPHONE NO. 817-461-5601
ADDRESS (Number, Street, City, State, and ZIP Code) 448 West Fork Drive, Arlington, Texas 76012		
CHEMICAL NAME AND SYNONYMS Ehrlich Aldehyde Reagent		TRADE NAME AND SYNONYMS RCC Cat. No. 2780
CHEMICAL FAMILY —	FORMULA —	

SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS		NA	BASE METAL		NA
CATALYST		↓	ALLOYS		↓
VEHICLE			METALLIC COATINGS		
SOLVENTS			FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIVES			OTHERS		
OTHERS					
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES				%	TLV (Units)
Hydrochloric Acid, (v/v)				50	5 ppm

SECTION III - PHYSICAL DATA

BOILING POINT (°F.)	Approx.	215	SPECIFIC GRAVITY (H₂O=1)	Approx.	1.09
VAPOR PRESSURE (mm Hg.)		—	PERCENT, VOLATILE BY VOLUME (%)		99
VAPOR DENSITY (AIR=1)		—	EVAPORATION RATE (Water = 1)		< 1
SOLUBILITY IN WATER		infinite			
APPEARANCE AND ODOR Pale yellow solution, hydrochloric acid odor					

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used)	—	FLAMMABLE LIMITS	LeI	UeI
EXTINGUISHING MEDIA	—			
SPECIAL FIRE FIGHTING PROCEDURES	—			
UNUSUAL FIRE AND EXPLOSION HAZARDS	—			

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE 5 ppm

EFFECTS OF OVEREXPOSURE Can cause serious injury despite medical treatment.

EMERGENCY AND FIRST AID PROCEDURES Irrigate affected area. Get medical help. Ingestion: Dilute with water or milk, Do not induce vomiting. Get medical help.

SECTION VI - REACTIVITY DATA

STABILITY	UNSTABLE		CONDITIONS TO AVOID
Normally	STABLE	X	
INCOMPATIBILITY (Materials to avoid) Alkalies and Metals, Acetic Anhydride, Ethylenediamine, Ammonium Hydroxide			
HAZARDOUS DECOMPOSITION PRODUCTS Fumes of Hydrogen Chloride and Hydrogen in contact with Metals, Chlorine from Oxidizers			
HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	WILL NOT OCCUR	X	

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED
 Cover the contaminated surface with sodium bicarbonate or a soda ash-slaked lime mixture (50-50). Mix and add water if necessary to form slurry. Scoop up slurry and wash down the drain with excess water. Wash site with soda ash solution.

WASTE DISPOSAL METHOD
 Add slowly to large volume of agitated solution of soda ash and slaked lime. Add neutralized solution to excess running water.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type) Self contained breathing apparatus.		
VENTILATION	LOCAL EXHAUST May be inadequate	SPECIAL —
	MECHANICAL (General) Preferred	OTHER —
PROTECTIVE GLOVES	Rubber	EYE PROTECTION Glasses or face shield
OTHER PROTECTIVE EQUIPMENT Laboratory coat		

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING Store at room temperature

OTHER PRECAUTIONS D.O.T.: "Hydrochloric Acid Solution", Corrosive Material.
 Corrosive Label, UN1789