

Material Safety Data Sheet

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. 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



IDENTITY (As Used on Label and List)
DENVER Solder Solution/Req.

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 ALLIED MANUFACTURING CORPORATION	Emergency Telephone Number (406) 586-8830 FAX (406) 586-8881
Address (Number, Street, City, State, and ZIP Code) 124 E. Main P.O. Box 794	Telephone Number for Information 1-800-541-2493
Bozeman, MT 59715	Date Prepared 2/9/80
	Signature of Preparer (optional) <i>[Signature]</i>

Section II — Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
Zinc Chloride (fumes)		0.5mg/M³		30

Section III — Physical/Chemical Characteristics

Boiling Point 307°	Specific Gravity (H ₂ O = 1) 1.45
Vapor Pressure (mm Hg.) 3	Melting Point N.A.
Vapor Density (AIR = 1) less than 1	Evaporation Rate (Butyl Acetate = 1) less than 1
Solubility in Water complete	
Appearance and Odor Pale yellow liquid; no odor	

Section IV — Fire and Explosion Hazard Data

Flash Point (Method Used) N.A.	Flammable Limits N.A.	LEL	UEL
Extinguishing Media N.A.			
Special Fire Fighting Procedures Non-flammable			

Unusual Fire and Explosion Hazards
May release toxic fumes if involved in a fire.

Section V — Reactivity Data

Stability	Unstable	Conditions to Avoid
	Stable X	

Incompatibility (Materials to Avoid) **Alkalis; Oxidizing materials.**

Hazardous Decomposition or Byproducts **Hydrogen chloride, zinc oxide/Ammonia and hydrochloric acid gases.**

Hazardous Polymerization	May Occur	Conditions to Avoid
	Will Not Occur X	

Section VI - Health Hazard Data

Route(s) of Entry:	Inhalation? X	Skin? X	Ingestion? X
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Health Hazards (Acute and Chronic) **Causes burns, corrosive**

Carcinogenicity: **Not listed with above as such.** NTP? IARC Monographs? OSHA Regulated?

Signs and Symptoms of Exposure **Burns**

Medical Conditions Generally Aggravated by Exposure

N. A.

Emergency and First Aid Procedures **Flush skin and eyes with a solution of bicarbonate of soda, followed by a 15 min. rinse with clear water. Remove clothes, call a physician.**

Section VII - Precautions for Safe Handling and Use

Steps to Be Taken in Case Material Is Released or Spilled **Do not get on skin, in eyes or on clothing. Avoid breathing mist and fumes.**

Waste Disposal Method **Flush with water to chemical sewer.**

Precautions to Be Taken in Handling and Storing **Keep containers closed. 20°F freezing point.**

Other Precautions **Do not take internally. Wash thoroughly after handling. Wash clothing before re-use.**

Section VIII - Control Measures

Respiratory Protection (Specify Type) **None for normal use. NIOSH respirator for service.**

Ventilation	Local Exhaust	Special
	Mechanical (General) Unknown	Other

Protective Gloves **Use rubber gloves** Eye Protection **Chemical safety goggles.**

Other Protective Clothing or Equipment **Face shield. Rubber over exposed areas.**

Work/Hygienic Practices **Good housekeeping**