

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

2/9/90

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)
Zinc Chloride (fumes)		0.5mg/M³		30

Section III — Physical/Chemical Characteristics

Boiling Point

307°Specific Gravity (H₂O = 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.

(Reproduce locally)

OSHA 174, Sept. 19

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:	NTP? Not listed with above as such.	IARC Monographs?	OSHA Regulated?
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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 Maintain adequate ventilation	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