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

MATERIAL SAFETY DATA SHEET

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

SECTION I

MANUFACTURER'S NAME <u>L. B. Allen Co., Inc.</u>		EMERGENCY TELEPHONE NO. <u>(312) 595-2600</u>
ADDRESS <u>725 N. Central, Wood Dale, Il. 60191</u>		
CHEMICAL NAME AND SYNONYMS		TRADE NAME AND SYNONYMS <u>Allen Solder Paste</u>
CHEMICAL FAMILY	FORMULA	

SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS			BASE METAL		
CATALYST			ALLOYS		
VEHICLE			METALLIC COATINGS		
SOLVENTS			FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIVES			OTHERS		
OTHERS					
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES Chemicals				%	TLV (Units)
<u>Zinc Ammonium Chloride</u>					
<u>as marked on package</u>					

5ppm (fumeZn)

SECTION III - PHYSICAL DATA

BOILING POINT (°F.)	high	SPECIFIC GRAVITY (H ₂ O=1)	0.90
VAPOR PRESSURE (mm Hg.)		PERCENT, VOLATILE BY VOLUME (%)	over 75%
VAPOR DENSITY (AIR=1)		EVAPORATION RATE (____=1)	
SOLUBILITY IN WATER	mostly insoluble		
APPEARANCE AND ODOR	Dark brown paste, rosin odor		

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used) <u>above 250° F. (COC)</u>	FLAMMABLE LIMITS	Lel	Uel
EXTINGUISHING MEDIA <u>for oil type fires, use CO₂ or dry powder</u>			
SPECIAL FIRE FIGHTING PROCEDURES <u>Product should not burn appreciably, but if it catches fire, extinguish with CO₂ or dry powder type extinguisher</u>			
UNUSUAL FIRE AND EXPLOSION HAZARDS <u>None</u>			

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE

1 ppm Zinc chloride fumes

EFFECTS OF OVEREXPOSURE

May produce metallic taste in mouth, dizziness, or nausea

EMERGENCY AND FIRST AID PROCEDURES

If exposed to overheating of zinc chloride fumes, remove to adequate ventilation and call a physician

SECTION VI - REACTIVITY DATA

STABILITY

UNSTABLE

STABLE

X

CONDITIONS TO AVOID

Avoid overheating of zinc chloride residue

INCOMPATIBILITY (Materials to avoid)

powerful oxidizing substances

HAZARDOUS DECOMPOSITION PRODUCTS

Overheating may produce toxic levels of zinc chloride

HAZARDOUS POLYMERIZATION

MAY OCCUR

WILL NOT OCCUR

X

CONDITIONS TO AVOID

Overheating of zinc chloride residue

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Scape up paste residue and dispose in normal manner, avoid contact with skin or clothing

WASTE DISPOSAL METHOD

Bury in pit with limestone

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type)

Use oxygen mask if exposed to overheated zinc chloride fumes

VENTILATION

LOCAL EXHAUST

MECHANICAL (General)

good fan

SPECIAL

OTHER

PROTECTIVE GLOVES

Rubber

EYE PROTECTION

splash proof goggles

OTHER PROTECTIVE EQUIPMENT

Rubber apron or jacket and boots or shoes

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

None particulary--avoid overheating the product

OTHER PRECAUTIONS

None