

MATERIAL SAFETY DATA SHEET

**ALUMINUM PASTE**

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DATE PREPARED: 8-7-89 BY: Patrick L. Johnson

**SECTION 1 - PRODUCT IDENTIFICATION AND HAZARDOUS COMPONENTS**

PRODUCT: Aluminum Paste

SYNONYMS: N/A

MOLECULAR FORMULA: Mixture MOLECULAR WEIGHT: N/A

CHEMICAL FAMILY: Topical protectant.

<u>INGREDIENT (CAS #)</u>	<u>%</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Aluminum (7429-90-5)	10	N/A	10mg/m <sup>3</sup> (dust)
Zinc Oxide (1314-13-2)	22.5	5mg/m <sup>3</sup> (fume) 10mg/m <sup>3</sup> (dust)	5mg/m <sup>3</sup> (fume)
Corn Starch (9005-25-8)	22.5	N/A	10mg/m <sup>3</sup> (dust)
White Petrolatum (8042-47-5)	45	N/A	N/A

**SECTION 2 - PHYSICAL AND CHEMICAL CHARACTERISTICS**

BOILING POINT: N/A VAPOR PRESSURE: N/A

MELTING POINT: N/A VAPOR DENSITY: N/A

SPECIFIC GRAVITY: N/A EVAPORATION RATE: N/A  
(WATER = 1) (BUTYL ACETATE = 1)

WATER SOLUBILITY: Insoluble. WATER REACTIVE: No.

APPEARANCE AND ODOR: Metallic silvery-gray, stiff ointment. Odorless.

**SECTION 3 - FIRE AND EXPLOSION DATA**

FLASH POINT (METHOD): N/A AUTOIGNITION TEMPERATURE: N/A

FLAMMABLE LIMITS: LOWER: N/A                      UPPER: N/A

EXTINGUISHING MEDIA: Water fog, carbon dioxide, dry chemical, foam.

SPECIAL FIRE FIGHTING PROCEDURES: Fire fighters should wear full protective gear including self-contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARDS: May produce toxic fumes if heated to decomposition.

**SECTION 4 - REACTIVITY HAZARD DATA**

STABILITY: Stable ( X )    Unstable ( )

INCOMPATIBILITY (MATERIALS TO AVOID): Strong oxidizing agents, strong acids and bases.

HAZARDOUS DECOMPOSITION PRODUCTS: None known.

HAZARDOUS POLYMERIZATION: May Occur ( )    Will Not Occur ( X )

**SECTION 5 - HEALTH HAZARD DATA**

TOXICITY: No specific toxicity data available for this product.

CARCINOGEN LISTED BY:	NTP	Yes ( )	No ( X )
	IARC	Yes ( )	No ( X )
	OSHA	Yes ( )	No ( X )
	Other	Yes ( )	No ( X )

ROUTES OF ENTRY: Ingestion, contact.

SIGNS AND SYMPTOMS OF OVEREXPOSURE:

INHALATION: Not normally an inhalation hazard.

EYE CONTACT: May cause irritation.

SKIN CONTACT: May cause irritation.

INGESTION: May cause irritation of the gastrointestinal tract, nausea, diarrhea or constipation.

CHRONIC EFFECTS OF OVEREXPOSURE: None known.

MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE: Hypersensitivity to any of the constituents of this material.

**EMERGENCY FIRST AID PROCEDURES:**

**INHALATION:** None normally required.

**EYE CONTACT:** Flush eyes with water for at least 15 minutes. If irritation develops or persists, seek medical attention.

**SKIN CONTACT:** Wash with soap and water. If irritation develops or persists, seek medical attention.

**INGESTION:** Seek medical attention or contact a poison control center immediately.

**SECTION 6 - CONTROL AND PROTECTIVE MEASURES**

**RESPIRATORY PROTECTION:** None normally required.

**PROTECTIVE GLOVES:** Rubber.

**EYE PROTECTION:** Safety glasses are recommended.

**VENTILATION:** Normal room ventilation is normally adequate.

**OTHER PROTECTIVE EQUIPMENT:** Appropriate laboratory apparel.

**HYGIENIC WORK PRACTICES:** Do not eat, drink or smoke near this material. Wash contaminated clothing before reuse.

**SECTION 7 - HANDLING AND STORAGE PRECAUTIONS**

**HANDLING PRECAUTIONS:** Avoid contact with skin, eyes or clothing.

**STORAGE PRECAUTIONS:** Store in tight containers in a cool, dry place away from incompatible materials.

**OTHER PRECAUTIONS:** None.

**SECTION 8 - SPILL AND DISPOSAL PROCEDURES**

**STEPS TO BE TAKEN IN CASE OF SPILL OR DISCHARGE:** Wear rubber gloves and wipe or scoop up spillage and place in a tight container for disposal.

**WASTE DISPOSAL METHOD:** Dispose of in accordance with all applicable local, state, federal, and environmental regulations.

**SECTION 9 - DISCLAIMER**

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DEFINITIONS OF ABBREVIATIONS USED:

ACGIH:	American Conference of Governmental Industrial Hygienists
CAS:	Chemical Abstract Service
IARC:	Internal Agency for Research on Cancer
IDLH:	Immediately Dangerous to Life or Health level
LD50:	Median Lethal Dose
N/A:	Not available
NTP:	National Toxicology Program
OSHA:	Occupational Safety and Health Administration
PEL:	Permissible Exposure Limit
STEL:	Short Term Exposure Limit
TLV:	Threshold Limit Value