



MATERIAL SAFETY DATA SHEET

Aladdin #73 Aluminum Welding Flux

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To the Purchaser: This MSDS contains important environmental, health, and toxicology information for your employees who have ordered this product. Please be sure this information is given to them. If you resell this product, a copy of the MSDS should be given to the buyer.

H.M.I.S. INFORMATION: HEALTH = 1 FLAMMABILITY = 0 REACTIVITY = 1

SECTION I - IDENTIFICATION

Common Name: Aladdin #73 Flux **Chemical Family:** Aluminum Welding Powder Flux
CAS Number: NA **Chemical Name:** NA
Formula: See Below

SECTION II - COMPOSITION INFORMATION

<u>Components</u>	<u>CAS Number</u>	<u>%</u>	<u>OSHA PEL</u>
Lithium Chloride	7447-41-8	10-20	NF
Lithium Fluoride	7789-24-4	10-20	2.5PPM

SECTION III - PHYSICAL AND CHEMICAL CHARACTERISTICS

Boiling Point: NA **Specific Gravity (Water =1):** 2.1
Vapor Pressure (mm Hg): NA **Percent Volatile By Volume:** 1.0%
Vapor Density (Air =1): NA **Evaporation Rate (Butyl Acetate =1):** NA
Melting Point: 815C/1500F **Solubility In Water:** Very Soluble
Reactivity In Water: NONE **Appearance and Odor:** White Odorless Powder

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): None **Flammable Limits:** Lower-NA, Upper-NA
Extinguishing Media: Not Needed **Auto Ignition Temperature:** None
Special Fire Fighting Procedures: Normal Cautions when Dealing with Chemicals.
Unusual Fire and Explosion Hazards: Chloride and Fluoride Fumes

SECTION V - PHYSICAL HAZARDS

Stability: Product is Stable **(Conditions to Avoid):** Moist Conditions
Incompatibility (Materials to Avoid): Water, Boron Trifluoride and Strong Acids
Hazardous Decomposition Products: Chloride and Fluoride Fumes

Hazardous Polymerization: Will Not Occur

(Conditions to Avoid): Exposure to Water

SECTION VI - HEALTH HAZARDS

Primary Routes of Entry to Body: Fume Inhalation, Ingestion, Skin, and Eyes

Signs and Symptoms of Exposure:

1) **Acute Overexposure:** Nausea, Vomiting, Abdominal Pain, Mucous Membrane Irritation and Diarrhea

2) **Chronic Overexposure:** NF

Medical Conditions Generally Aggravated by Exposure: Pre-Existing Respiratory Conditions

Health Hazards

Chemical Listed as Carcinogen or Potential Carcinogen: None

OSHA Permissible Exposure Limit (PEL): 2.5PPM

ACGIH Threshold Limit Value (TLV): 2.5PPM

Emergency and First Aid Procedures

Inhalation: Remove Victim to Fresh Air.

Eyes: Flush with Water for 10 Minutes. Call a Physician.

Skin: Wash Thoroughly With Water.

Ingestion: If Patient is Fully Conscious, Give Large Amounts of Water. Obtain Medical Attention Immediately.

SECTION VII - CONTROL MEASURES

Respiratory Protection (TYPE): NIOSH Approved Respirator.

Ventilation: Yes

Mechanical (General): Yes

Local Exhaust: Yes

Eye Protection: Safety Glasses/Goggles

Protective Gloves: Recommended, NIOSH Approved

Other Protective Clothing or Equipment: Rubber Apron

SECTION VIII - SPECIAL PRECAUTION AND SPILL /LEAK PROCEDURES

Precautions to Be Taken in Handling and Storage: Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling.

Work/Hygienic Practices: Avoid contact with skin and clothing.

Other Precautions: Keep containers away from excessive heat.

Steps to Be Taken In Case Material is Released or Spilled: Clean up paste and flush remaining material with lots of water.

Waste Disposal Method: Dispose in accordance with local and state regulations

SECTION IX- TRANSPORTATION

D.O.T. Proper Shipping Name: Non- Hazardous

Hazard Class: NA

Identification Number: NA

Packing Group: NA

Type D.O.T Label Required Information: NA

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