

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Auralloy 620 Aluminum Brazing Flux
AURALLOY PART NUMBER: 8790
PRODUCT TYPE: Aluminum Torch Brazing Flux
CHEMICAL FAMILY: N/A

DATE PREPARED: January 2000

CHROMATE INDUSTRIAL CORPORATION
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2. COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NAME	% BY WEIGHT	OSHA PEL	ACGIH TLV	STEL	CAS#
Lithium Chloride	N/D	N/D	N/D	N/D	7447-41-8
Zinc Chloride	N/D	1.0 mg/m ³	10 (dust) mg/m ³	N/D	7646-85-7
Lithium Fluoride	N/D	2.5 mg/m ³	.05 mg/m ³	N/D	7789-24-4

*Remaining ingredients if any, are nonhazardous and are considered proprietary

NOTE: Chronic fluoride absorption can result in osseous fluorosis, increased radiographic density of the bones and mottling of the teeth.

Exposure to lithium may result in neuromuscular effects, hyperactive reflexes and weight loss. Lithium <10%.

* An asterisk (*) indicates the toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and 40 CFR 372.

3. HAZARDS IDENTIFICATION

PRIMARY ROUTES OF ENTRY: Inhalation, Ingestion, Skin, Eyes

EFFECTS OF OVEREXPOSURE:

INHALATION: Irritant to respiratory system. Lithium dust and fumes are absorbed through the lungs – lung damage. Preexisting lung disorders will be aggravated.

INGESTION: Nausea, vomiting. Can cause chemical burn to digestive system.

SKIN CONTACT: Not known as a skin absorbent. No toxicology data available.

Dermatitis: possible chemical burns. Existing skin disorders may be aggravated.

EYE CONTACT: Irritation – possible burn to eye surfaces.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Coughing, erythema, nausea and kidney effects. See section II

4. FIRST AID MEASURES

EMERGENCY FIRST AID PROCEDURES:

INHALATION: Remove to fresh air. If fumes, vapors or dust are inhaled, call a physician and advise of Section II.

INGESTION: Zinc and lithium halide present. Call a physician or Poison Control Center. Advise of Section II Dilute with large quantities of water or milk. Do not induce vomiting.

SKIN CONTACT: Wash hands with soap and water to remove all residue. If rash or burn develops, consult a physician.

EYE CONTACT: Flush with water for least 15 minutes to remove all residue. Promptly get medical help.

5. FIRE FIGHTING MEASURES

FLASH POINT (METHOD USE): Nonflammable

FLAMMABLE LIMITS: LEL N/A

UEL N/A

EXTINGUISHING MEDIA: N/A

FIRE FIGHTING PROCEDURES: Metal halide and toxic fumes produced. Use Self-Contained Breathing Apparatus (SCBA)

UNUSUAL AND EXPLOSION HAZARDS: No data available

PHYSICAL HAZARDS: No data available

6. ACCIDENTAL RELEASE MEASURES

SPILLS OR LEAKS: No data available

7. HANDLING AND STORAGE

SPECIAL PRECAUTIONS: No data available

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

PRECAUTIONS TO BE TAKEN: Maintain air flow away from user to remove all fumes, vapors and dusts so that the PEL is never exceeded.

RESPIRATORY: If the workstation is not properly ventilated to exhaust all fumes, dust and vapors, use a Niosh approved mask.

SKIN PROTECTION: Wear gloves that are chemical and oil impervious.

EYE PROTECTION: Wear chemically tight safety goggles.

EXPOSURE GUIDELINES: Provide general and/or local exhaust ventilation.

ENGINEERING CONTROLS: No data available

9. PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: N/A

VAPOR DENSITY (AIR = 1): N/A

SOLUBILITY IN WATER: Not Soluble

PERCENT VOLATILE BY VOLUME: N/A

VOLATILE WEIGHT: N/A

APPEARANCE & ODOR: Aluminum Brazing Flux

PRODUCT WEIGHT: N/D

SPECIFIC GRAVITY (H₂O = 1): N/D

MELTING POINT: N/D

pH: N/A

EVAPORATION RATE: N/A

FORM: Solid **VOLATILE COMPONENTS:** N/A

10. STABILITY AND REACTIVITY

STABILITY: Stable

CONDITIONS TO AVOID: N/D

HAZARDOUS POLYMERIZATION: Will not occur

INCOMPATIBILITY (MATERIALS TO AVOID): Strong acids.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: In presence of water and heat, HCl and HF may be produced.

11. TOXICOLOGICAL INFORMATION

EYE: No data available.

SKIN: No data available.

INGESTION: No data available.

INHALATION: No data available.

SUBCHRONIC: No data available.

CHRONIC CARCINOGENICITY: NTP: Not Listed IARC MONOGRAPH: Not Listed OSHA REGULATED: Not Regulated

TERATOLOGY: No data available.

REPRODUCTION: No data available.

MUTAGENICITY: No data available.

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION: No data available.

CHEMICAL FATE INFORMATION: No data available.

13. DISPOSAL CONSIDERATIONS

RCRA HAZARD CLASS: No data available

WASTE DISPOSAL METHOD: No data available

14. TRANSPORT INFORMATION

TRANSPORTATION REQUIREMENTS (49CFR172-101)

D.O.T. CLASSIFICATION: Not regulated

D.O.T. SHIPPING NAME: Not regulated

15. REGULATORY INFORMATION

EXPOSURE LIMITS: No data available.

16. OTHER INFORMATION

The information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in this MSDS. Additionally, vendor assumes no responsibility for injury to vendee or third persons proximately caused by abnormal use of the material even if reasonable safety procedures are followed. Furthermore, vendee assumes the risk in his use of the material.

N/D — NOT DETERMINED N/A — NOT APPLICABLE N/R — NOT REGULATED

Conforms to 29 CFR 1910.1200, OSHA

ANSI Z129.1 - 1988 American National Standard for Hazardous Industrial Chemicals