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24 Hour Response  
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## MATERIAL SAFETY DATA SHEET

### NFPA HAZARD RATING

- 4 EXTREME
- 3 HIGH
- 2 MODERATE
- 1 SLIGHT
- 0 INSIGNIFICANT



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PRODUCT FAMILY: T-327B A-22 (AIR DRY) ALUMINUM WELDING FLUX

DATE PREPARED: 6/14/94

REVISED: 3/03/04

MSDS: 792F

### 1. INGREDIENTS

| INGREDIENTS        | CAS #     | EXPOSURE LIMITS (Mg/m <sup>3</sup> ) |                        |          |           |
|--------------------|-----------|--------------------------------------|------------------------|----------|-----------|
|                    |           | OSHA PEL <sup>1</sup>                | ACGIH TLV <sup>1</sup> | SARA 313 | TSCA INV. |
| POTASSIUM CHLORIDE | 7447-40-7 | N/A                                  | N/A                    | N/A      | YES       |
| SODIUM CHLORIDE    | 7647-14-5 | N/A                                  | N/A                    | N/A      | YES       |
| WATER              |           | N/A                                  | N/A                    | N/A      |           |

<sup>1</sup> ALL VALUES REFER TO TIME-WEIGHTED AVERAGE CONCENTRATIONS AND UNITS ARE MG/M<sup>3</sup>

### 2. PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT: 2650 F EST. (Dry Salt)  
 MELTING POINT: 1450 F EST. (Dry Salt)  
 VAPOR PRESSURE (MM HG): N/A  
 VAPOR DENSITY (AIR=1): N/A  
 SOLUBILITY IN WATER: SOLUBLE  
 APPEARANCE & ODOR: Clear Odorless Liquid  
 SP. GRAVITY (H<sub>2</sub>O=1): 1.3  
 EVAPORATION RATE (BUTYL ACETATE=1): N/A  
 % VOLATILES BY VOLUME: 0

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**3. FIRE AND EXPLOSION HAZARD DATA**

FLASH POINT (METHOD USED): NON-COMBUSTIBLE

FLAMMABLE LIMITS: LEL - N/A UEL - N/A

EXTINGUISHING MEDIA: Use extinguishing media appropriate for surrounding materials.

SPECIAL FIRE FIGHTING PROCEDURES: Fire fighters should wear proper protective equipment and self-contained protective equipment and self-contained breathing apparatus with full face piece operated in positive pressure mode.

**4. REACTIVITY DATA**

STABILITY: Stable

CONDITIONS TO AVOID: None Indicated

INCOMPATIBILITY (MATERIALS TO AVOID): Bromine Trifluoride or Trichloride

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: Chlorine Compounds

HAZARDOUS POLYMERIZATION: Will not occur

**5. HEALTH HAZARD DATA**

ROUTES OF ENTRY: Inhalation, ingestion, skin contact, eye contact TLV, STEL, and PEL values have not been established for this product.

TOXICITY: LD<sub>50</sub> (ORAL-RAT) (MG/KG) - 3000 (Dry Salts)

CARCINOGENICITY: NTP - No IARC - No OSHA REGULATED - No Z LIST - No

EFFECTS OF OVEREXPOSURE: Inhalation of salt dust may cause irritation to upper respiratory tract. Contact can cause eye irritation. Contact with skin may cause irritation. Ingestion of large quantities may cause gastrointestinal irritation.

TARGET ORGANS: None identified

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Kidney disorders

EMERGENCY AND FIRST AID PROCEDURES: **INGESTION** - If swallowed and the person is conscious, immediately give large amounts of water. Get medical attention. **INHALATION** - If a person breathes in large amounts, move the exposed person to fresh air. Get medical attention. **EYE CONTACT** - Immediately flush with plenty of water for at least 15 minutes. Get medical attention. **SKIN CONTACT** - Immediately wash with plenty of soap and water for at least 15 minutes.

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**6. PRECAUTIONS FOR SAFE HANDLING AND USE**

Keep container tightly closed. Store in any general storage area.

VENTILATION: Use adequate general or local exhaust ventilation to keep fume or dust levels as low as possible.

RESPIRATORY PROTECTION: None required where adequate ventilation is provided.

EYE/SKIN PROTECTION: Safety glasses are recommended.

**7. CONTROL MEASURES**

In the event of a spill, wear suitable protective clothing and carefully sweep up for disposal in accordance with all applicable federal, state, and local environmental regulations.

**8. ADDITIONAL INFORMATION**

This product contains compounds which are subject to reporting requirements of Section 313 of Title III of SARA and 40 CFR 372.

Prepared By:

*Dean Moore*

DEAN MOORE

Title: PRODUCT ENGINEER