

LEACH & DILLON PRODUCTS  
161 COMSTOCK PARKWAY  
CRANSTON, R.I. 02921  
#401-464-5850  
FAX # 401-464-5862

MATERIAL SAFETY DATA SHEET

Date: 12/08/94

MSDS #024

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**1. PRODUCT IDENTIFICATION**

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**Product Name:** Flux-All

**Other Designations:** N/A

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**2. INGREDIENTS**

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	CAS #	OSHA PEL
Boric Acid	11113-50-1	
Borate	373-61-5	
Computer potassium fluoroborate	14075-53-7	
Water	7732-18-5	2.5mf/cm3
balance		

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**3. PHYSICAL DATA**

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**Boiling Point:** 212°F (water)

**Melting Point:** N/A

**Vapor Pressure:** N/A

**Vapor Density:** N/A

**Specific Gravity:** (H<sub>2</sub>O=1) Between 1.5-2.4

**Solubility in Water:** Soluble in water

**Appearance and Color:** White paste

**Odor:** No odor

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**4. FIRE AND EXPLOSION HAZARD DATA**

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**Flash Point (Method Used):** Not available

**Extinguishing Media:** No information available

**Special Fire Fighting Procedures:** Wear self-contained breathing apparatus. Decomposes on fire creating hydrogen fluoride and potassium oxide.

**Unusual Fire and Explosion Hazard:** None, several ingredients are fire retardants

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## 5. REACTIVITY DATA

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**Stable:** Yes

**Conditions to avoid:** Not listed

**Hazardous Polymerization:** Will not occur.

**Hazardous Decomposition:** When heated;  
acetic anhydride, elemental potassium

**Incompatibility:** Acetic anhydride, elemental potassium.

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## 6. HEALTH HAZARD DATA

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**Inhalation:** Acute: May cause irritation of respiratory tract  
Chronic: N/A  
First Aid: Remove to fresh air, seek medical attention.

**Ingestion:** Acute: May cause poisoning.  
Chronic: N/A  
First Aid: Induce vomiting, seek medical attention.

**Skin:** Acute: May cause skin irritation and poisoning if absorbed by skin  
Chronic: N/A  
First Aid: Wash with soap and water. Seek medical attention.

**Eyes:** Acute: May cause eye irritation.  
Chronic: N/A  
First Aid: Flush for 15 minutes. See medical attention.

**Medical Conditions Generally Aggravated by Exposure:** Data not available.

**Carcinogenicity:** Not available.

**Signs and Symptoms of Exposure:** Irritation of skin, eyes or respiratory track, weakness, nausea, abdominal pain, vomiting, diarrhea.

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**7. PRECAUTIONS FOR SAFE HANDLING**

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**Steps to be Taken in Case of a Spill or Leak:** Scoop or shovel up. If not contaminated, save for re-use.

**Disposal:** Neutralize with lime. Soluble in water, do not pour down drain. Dispose according to Federal, State and Local laws.

**Precautions to be Taken in Handling & Storing:** Store above 50°F and below 120° F. Do not freeze, keep in tightly closed container.

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**8. CONTROL MEASURES**

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**Ventilation and Respiratory Protection:** Local exhaust

**Other Protective Equipment:** Use respirator, protective rubber gloves.

**Work/Hygienic Practices:** Avoid inhalation or ingestion. Practice good housekeeping. Avoid eating and smoking in the work area.

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**9. SUPPLIER INFORMATION**

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Information and data are taken from sources believed to be reliable and correct, but cannot be warranted by manufacturer. User is responsible to determine suitability of material for specific application.