

# MATERIAL SAFETY DATA SHEET

## Flux-17

DATE REVISED: 03-17-2011

**Product Name:** Aufhauser Flux-17

**Manufacturer:** Aufhauser Corporation 39 West Mall Plainview, NY 11803

**Emergency Phone Number:** 1-800-645-9486

**Other Information Calls:** (516) 694-8696

**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 = 2 FLAMMABILITY = 3 REACTIVITY = 3

### SECTION I - IDENTIFICATION

**Common Name:** Flux-14

**Chemical Family:** Aluminum Brazing Flux

**CAS Number:** NA

**Chemical Name:** NA

**Formula:** See Below

### SECTION II - COMPOSITION INFORMATION

Components	CAS Number	%	OSHA PEL
Potassium Chloride	7447-40-7	20-30	10.0 PPM
Sodium Chloride	7647-14-5	45-60	10PPM
Lithium Fluoride	7789-24-4	8-20	2.5 PPM
Sodium Fluoride	7681-49-4	8-20	2.5 PPM

### SECTION III - HEALTH HAZARDS

#### EMERGENCY AND FIRST AID PROCEDURES

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

**Skin:** Wash Thoroughly with Water.

**Inhalation:** Remove to Fresh Air

**Ingestion:** If Patient is Fully Conscious, Give Two Glasses of Water and Induce Vomiting. Obtain Medical Attention Immediately.

**Primary Routes of Entry:** Fume Inhalation, Ingestion, Skin, and Eyes.

**Symptoms of Overexposure:** Pulmonary Edema, Abdominal Painn, Vomiting, Eye Damage and Skin Burn.

**Medical Conditions Generally Aggravated by Overexposure:** Unknown.

**Chemical Listed as a Carcinogen or Potential Carcinogen:** None

**OSHA Permissible Exposure Limit (PEL):** 2.5 PPM

**ACGIH Threshold Limit Value (TLV):** 2.5 PPM

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

**Flash Point ( Method Used):** NA **Flammable Limits:** Lower-NA, Upper-NA  
**Extinguishing Media:** Dry Chemical. CO2, Foam **Auto Ignition Temperature:** None  
**Special Fire Fighting Procedures:** Normal Caution When Using Chemicals  
**Unusual Fire and Explosion Hazards:** Fluorides

## SECTION V - ACCIDENTAL RELEASE MEASURES

**Steps to be Taken in Case Material is Spilled:** Netralize with Soda ash or sodium bicarbonate, dilute with water and dispose of in accordance with EPA regulations.

## SECTION VI – STABILITY AND REACTIVITY

**Stability :** Product is stable **( Conditions to Avoid ) :** Metals  
**Incompatibility:** Alkaline, Strong Oxidizing or Reducing Materials, Cyanides or Sulfides.  
**Hazardous Decomposition Products:** Fluorides with High Heat.  
**Hazardous Polymerization :** Will Not Occur **( Conditions to Avoid ) :** Excessive heat or cold.

## SECTION VII - CONTROL MEASURES

**Respiratory Protection (TYPE):** NIOSH Approved Respirator. **Ventilation:** Yes  
**Mechanical (General):** Yes **Local Exhaust:** Yes  
**Eye Protection:** Safety Goggles  
**Protective Gloves:** Recommended, NIOSH Approved  
**Other Protective Clothing or Equipment:** Rubber apron, gloves, eye protection, face mask.

## SECTION VIII - PHYSICAL AND CHEMICAL CHARACTERISTICS

**Boiling Point:** NA **Specific Gravity (Water = 1):** 1.6  
**Vapor Pressure (mm Hg):** NA **Percent Volatile by Volume:** 1.0%  
**Vapor Density (Air = 1):** NA **Evaporation Rate (Butyl Acetate = 1):** NA  
**Melting Point:** 815 C / 1500 F **Solubility in Water:** Unlimited  
**Reactivity in Water:** None **Appearance and Odor:** White Odorless Paste

## SECTION IX – HANDLING AND STORAGE

**Precautions to be Taken in Handling and Storage :** Store in Plastic Containers in Cool Area. Do Not Store in Glass or Porcelain Container. Wash Thoroughly After Use.  
**Work/Hygienic Practices :** Avoid Contact with Skin , Eyes and Clothing.  
**Other Precautions:** Keep Container Away From Excessive Heat.

## SECTION X - TRANSPORTATION AND DISPOSAL CONSIDERATIONS

**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  
**Waste Disposal Method:** Dispose of in Accordance with EPA Regulations

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