

## **ULTRA FLUX-SILVER BRAZING FLUX**

### **MSDS Number**

BGSWT

### **National Stock Number**

3439-00B050025

### **Product Name**

ULTRA FLUX-SILVER BRAZING FLUX

### **Manufacturer**

ENGELHARD CORP

### **Product Identification**

Product ID:ULTRA FLUX-SILVER BRAZING FLUX

MSDS Date:08/01/1988

FSC:3439

NIIN:00B050025

MSDS Number: BGSWT

### **Responsible Party**

ENGELHARD CORPORATION

ROUTE 152

PLAINVILLE , MA 02762

US

Emergency Phone: 508-695-7811

Info Phone: 508-695-7811

Cage: 23036

### **Contractor**

ENGELHARD CORPORATION

OLON, OH 44139

US

216-292-9200

Cage: 23036

### **Ingredients**

POTASSIUM PENTABORATE

CAS: 1229-13-9

POTASSIUM BIFLUORIDE (POTASSIUM HYDROGEN FLUORIDE)

CAS: 7789-29-9

RTECS: TS6650000

OSHA PEL2.5 MG/M3 (F)

ACGIH TLV: 2.5 MG/M3 (F); 8990

SDS (SODIUM DODECYL SULFATE)

CAS: 151-21-3

RTECS: WT1050000

WATER

CAS: 7732-18-5

RTECS: ZC0110000

BORIC ACID

CAS: 10043-35-3

RTECS: ED4550000

POTASSIUM TETRABORATE

CAS: 1332-77-0

## Hazards

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Health Hazards Acute and Chronic:AGGRAVATING TO ANY RESPIRATORY ILLNESS.

Effects of Overexposure:FUMES CAN CAUSE IRRITATION TO EYES,NOSE AND THROAT.

Medical Cond Aggravated by Exposure:SEVERE IRRITANT TO OPEN SORES AND WOUNDS.

## First Aid

First Aid:IF INHALED REMOVE TO FRESH AIR. IF NOT BREATHING,GIVE ARTIFICIAL RESPIRATION,PREFERABLE MOUTH TO MOUTH,IF BREATHING IS DIFFICULT.

## Fire Fighting

Extinguishing Media:THIS IS A NON-FLAMMABLE MATERIAL.

Fire Fighting Procedures:NONE-USE FIRE EXTINGUISHERS APPRECIATE FOR SURROUNDING FIRE.

Unusual Fire/Explosion Hazard:TOXIC FUMES CAN BE EMITTED IF HEATED TO MOLTEN CONDITIONS.

## Accidental Release

Spill Release Procedures:FLUSH WITH PLENTY OF WATER TO DILUTE THE FLUX. THE PRODUCT IS NONFLAMMABLE.

## Handling

Other Precautions:MAINTAIN ADEQUATE AIRFLOW IF FUMES ARE PRESENT.

## Exposure Controls

Respiratory Protection:IN CONFINED SPACE USE OSHA APPROVED RESPIRATOR OR WHEN FLUORIDE FUMES EXCEED 2.5 MG PER CUBIC METER OF AIR WHILE BRAZING.

Ventilation:LOCAL EXHAUST, MECHANICAL (GENERAL).

Protective Gloves:NOT RECOMMENDED-MAY ENTRAP FLUX.

Eye Protection:RECOMMENDED.

Other Protective Equipment:WEAR NON-FLAMMABLE PROTECTIVE CLOTHING. PROVIDE GOOD VENTILATION.

Supplemental Safety and Health

ON HEATING FLUORIDE FUMES ARE EVOLVED. INORGANIC FLUORIDE INHALATION LEADS TO IRRITATION OF THE EYES & NOSE,"CHRONIC FLUORINE POISONING" NAMELY,"FLUOROSIS" RESULTING IN SCLEROSIS OF BONES"-LOSS OF WEIGHT. DIRECT CONTACT OF FINGERS WITH FLUX CAN LEAD TO REACTION WITH SKIN (ITCHING).

## Chemical Properties

Melt/Freeze Pt:M.P/F.P Text:800F

Spec Gravity:1.12

Solubility in Water:APPRECIABLE

Appearance and Odor: WHITE, ODORLESS PASTE.

## **Stability**

Stability Indicator/Materials to Avoid: YES

Stability Condition to Avoid: NONE ACCORDING TO MFR.

Hazardous Decomposition Products: DECOMPOSES TO FLUORIDE WHEN HEATED TO BRAZING TEMPERATURE.

## **Disposal**

Waste Disposal Methods: DILUTE WITH WATER.

Disclaimer (provided with this information by the compiling agencies):

This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.