

## HEALTH & SAFETY INFORMATION SHEET (CHIP)

### For: SILVER SOLDER flux

#### 1. PRODUCT.

##### SILVER SOLDER FLUX

Fine white powder. Supplied in plastic jars (SIFFLUX 225g and 500g).

#### 2. COMPOSITION.

##### SILVER SOLDER FLUX

	<u>%</u>
Potassium Fluoroborate	45
Potassium Metaborate	45
Boric Acid	10

#### 3. HAZARDS.

This preparation is considered to be an irritant. Care must be taken when handling the powder and full precautions taken to avoid inhalation, contact with skin and eyes.

#### 4. FIRST AID.

	<u>Symptom</u>	<u>Action</u>
Skin contact	Irritation at the site of contact.	Wash thoroughly under stream of water. Put CalciumGluconate Gel, if available, over the affected area.
Eye Contact	Irritation and redness.	Irrigate with clean water and seek medical attention.
Ingestion	Possibility of mild poisoning.	Give milk or Calcium Gluconate by mouth. Seek immediate medical attention
Inhalation	Coughing and choking.	Remove to fresh air and seek medical attention.

#### 5. FIRE FIGHTING.

Flux powder is not flammable. Any type of fire extinguisher may be used.

#### 6. ACCIDENTAL RELEASE.

Brush powder into a suitable container. Re-use or dissolve in water and wash resulting solution down drain with excess of running water.

#### 7. HANDLING and STORAGE.

No special precautions are required when flux powder is contained. If handling flux powder, use rubber gloves and avoid contact with skin and eyes.  
Store flux jars in a cool dry place.

#### 8. EXPOSURE CONTROLS and PERSONAL PROTECTION.

Eyes: Wear safety goggles and face mask when handling powder  
Skin: Wear rubber gloves  
Respiratory: Use a filtering face piece or other suitable protection.  
When handling powder, ensure adequate ventilation.

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#### 9. PHYSICAL and CHEMICAL PROPERTIES.

Appearance: Fine white powder.  
Odour: None.

pH:	8 - 9.
Boiling Point:	N/A.
Melting Point:	N/A.
Flash Point:	N/A.
Flammability:	Non flammable.
Auto flammability:	N/A.
Explosive Props.	None.
Oxidising Props:	None.
Vapour Pressure:	N/A.
Relative Density:	0.7
Solubility:	Soluble in water.

10. **STABILITY and REACTIVITY.**

Powder is stable. Avoid concentrated acids.

11. **TOXICOLOGICAL INFORMATION.**

This flux powder is considered to be a harmful irritant.

12. **ECOLOGICAL INFORMATION.**

This flux powder does not pose a known ecological hazard. The plastic containers are suitable for recycling.

13. **DISPOSAL**

Dispose in accordance with local authority regulations. See section 6 for small spills.

14. **TRANSPORT.**

No special requirements.

Tariff No: 381010 00

15. **REGULATORY INFORMATION.**

This flux powder carries a IRRITANT (Xi) warning label.

Risk Phrases:	R20	Harmful by inhalation.
	R22	Harmful if swallowed.
	R36	Irritating to eyes.
	R38	Irritating to skin.

Safety Phrases:	S22	Do not breathe dust.
	S24	Avoid contact with skin.
	S25	Avoid contact with eyes.

16. **OTHER INFORMATION.**

This product is used as a gas brazing/silver soldering flux, and normal precautions for those processes must be observed. In particular, the operator should not directly inhale welding fume and adequate ventilation must be provided.

Data source: Croners Guide to: Dangerous Chemicals.

First Aid.

Emergency Spillage.

Jan 07

This information is provided in relation to Health and Safety requirements and should not be taken as a guarantee of specific properties or composition.