
HEALTH & SAFETY INFORMATION SHEET (CHIP)

FOR : BORAX BASED BRAZING AND WELDING FLUXES

1. PRODUCT

SIFBRONZE FLUX

Fine pink powder. Supplied in plastic jars (SIFFLUX 100g and 500g) or bulk.

TOOL TIPPING/BRAZING STAINLESS FLUX

Fine white powder, supplied in 500g plastic jar.

SIFSILCOPPER FLUX

Fine white powder, supplied in 500g plastic jar.

2. COMPOSITION

SIFBRONZE		TOOL TIPPING/ BRAZING STAINLESS	SIFSILCOPPER	
Boric Acid	Borax	Boric Acid	Boric Acid	Borax
Borax			Sodium Chloride	

3. HAZARDS

These preparations are not considered hazardous, but do contain very mild irritants to skin and lungs.

4. FIRST AID

	Symptom	Action
Skin contact	Mild irritation and redness at the site of contact.	Wash affected areas immediately with soap and copious amounts of water.
Eye contact	Mild irritation and redness.	Irrigate with clean water and seek medical attention.
Ingestion	Nausea	Seek medical attention.
Inhalation	Mild shortness of breath and a cough may occur.	Remove to fresh air and seek medical attention.

CHIP Data for Borax based brazing and welding fluxes

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 the 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 in confined spaces.

When handling powder, ensure adequate ventilation.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Sifbronze – pink powder. Other fluxes – white powder.

Odour : None.

pH : 7 in water.

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 : 1.5 Approx.

Solubility : Soluble in water.

10. STABILITY AND REACTIVITY

Avoid strong oxidising agents.

11. TOXICOLOGICAL INFORMATION

These flux powders are considered to be very mild irritants.

12. ECOLOGICAL INFORMATION

These flux powders do not pose a known ecological hazard. The plastic containers are suitable for re-cycling.

13. DISPOSAL

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

CHIP Data for Borax based brazing and welding fluxes

14. TRANSPORT

No special requirements.

Tariff No : 38101000

15. REGULATORY INFORMATION

Risk Phrases : None

Safety Phrases : None

16. OTHER INFORMATION

These products are used as gas welding and brazing fluxes 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

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