



PRODUCT

Aluflo ALC - 718 - BP **400** Brazepaste

COMPOSITION

Flux	A mixture of potassium, lithium and zinc chlorides, and lithium fluoride in a hydrocarbon base.
Brazepaste	Aluminium 88% - Silicon 12% together with the flux as above.

HAZARD IDENTIFICATION

The main hazard with this product occurs in its use. On heating the flux will fume slightly, and with overheating the fume will increase. The fumes produced will be fluoride and chloride based and these can cause irritation to the nasal passages, eyes and throat. The flux is harmful by ingestion and is irritating to the eyes. Contact with skin may cause irritation.

Severe long-term exposure may result in fluorosis. Symptoms of over-exposure include vomiting and lack of co-ordination and chronic over-exposure to fluorides can lead to increased bone density.

FIRST AID TREATMENT

Inhalation	Remove from exposure and allow to rest in fresh air. In acute cases apply artificial respiration and, if necessary, summon medical aid.
Ingestion	Rinse mouth with water and give patient water or milk to drink. Do not induce vomiting. Summon medical aid.
Eyes	Irrigate with water or isotonic saline for up to 20 minutes. Seek medical attention if there is any hint of eye damage.
Skin	Remove any contaminated clothing and wash skin with soap and water. Seek medical attention if sores develop.

FIRE FIGHTING MEASURES

Non flammable. Use full protection with breathing apparatus if involved in a fire as harmful fumes may be evolved. Use any extinguishing medium suitable for surrounding fire.

ACCIDENTAL RELEASE MEASURES

Carefully sweep up and collect in suitable container for re-use or disposal.

HANDLING AND STORAGE

Handling	Use only under conditions of good local ventilation or efficient extraction systems and do not inhale fumes evolved during use. Avoid contact with skin and eyes. Do not eat, drink, smoke or apply cosmetics whilst using this material. Keep away from food, drink and animal feeding stuffs and out of reach of children. Observe good industrial hygiene practices.
Storage	Keep away from heat, moisture and water as they reduce shelf life. Return flux to sealed container to prevent caking. Keep container closed and store in cool, dry conditions.

SHELF LIFE

Cartridges	3 months To extend life, store upright, fridge at +5°C to +10 °C
Jars	6 months To extend life, fridge at +5°C to +10 °C Possible to stir

EXPOSURE CONTROLS

Occupational Exposure Limits for constituents are:

	Long Term (8 hour) *TWA Value	Short Term (10 minutes) *TWA Value
Lithium Fluoride	Not listed	-
Potassium Chloride	Not listed	-
Hydrogen Chloride	7.0mg/ m ³	-
Lithium Chloride	Not listed	-
Zinc Chloride (Fume)	1.0mg/ m ³	-
Aluminium	5.0mg/ m ³	-
Silicon	10.0mg/ m ³ as total inhalable fused silica dust	
Fluoride	2.5mg/m ³	

*Time Weighted Average

PERSONAL PROTECTION

Avoid exposure to fume with good ventilation or local extraction. If a risk of inhalation exists, personal respiratory protection should be worn. The use of barrier creams may prevent skin irritation. Safety glasses should always be used. Wash hands and clean fingernails before meals.

PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Grey paste as brazepaste White paste as flux
pH	Not measured
Boiling/Melting Point	Becomes molten at working temperature 575-585°C
Flash Point	Not applicable
Flammability	Non flammable
Solubility	Dispersible in water

STABILITY AND REACTIVITY

Do not store in glass containers. Avoid contact with strong nitric and sulphuric acids and cyanides.

TOXICOLOGICAL INFORMATION

There is no toxicological data available on this product.

ECOLOGICAL INFORMATION

Likely to be harmful to all species of animal life. As far as is known, no other threat is posed to the environment by this material.

DISPOSAL CONSIDERATIONS

Large quantities should be swept up into plastic containers for disposal in landfill sites according to local and national regulations.

TRANSPORT INFORMATION

Not classified for land, sea or air transport. No UN No's have been issued for this product.

REGULATORY INFORMATION

EC Supply	Harmful
Risk Phrases	20/22. Harmful by inhalation and if swallowed. 36/38. Irritating to eyes and skin.
Safety Phrases	2. Keep out of reach of children. 13. Keep away from food, drink and animal feeds. 21. When using do not smoke. 22. Do not breathe dust. 26. In case of eye contact, rinse immediately with water and seek 28. medical advice. After contact with skin, wash immediately with plenty of water