

# QUALITY TECHNOLOGIES PRIVATE LIMITED

## TECHNICAL DATA SHEET: **ALUFLUX 06**

### PRODUCT DESCRIPTION

**ALUFLUX 06** is a special purpose flux for Aluminium melting in Reverberatory and large bath area furnaces. Large surface area furnaces have cold zones where in the temperature is less, because of which the covering flux takes more time to melt and form a protective layer. **ALUFLUX 06** has been developed for such applications. This flux has a lower melting point of around 615°C because of which it forms a liquid layer and covers the entire exposed area. Therefore even if it is charged in a limited area, it melts and gradually spreads over the entire bath. This flux also reaches out to the extreme corners of the furnace and reduces the formation of lumpy dross on the refractory walls.

- **ALUFLUX 06 A** – Premium quality flux, for melting of Aluminium.
- **ALUFLUX 06 B** – Low grade flux mainly recommended for melting of commercial Aluminium.

### HOW TO USE

This flux has to be added at the rate of 1.5kg per sq.mt of the bath area. Two stage addition is recommended, half the quantity is added during the early stages of melting and the balance after the complete charge has melted. Subsequently during the melting, additional quantity should also be added depending upon the surface area exposed, quantity of metal being melted and quality of charge. After the metal is fully ready, it is advisable to rabble the bath with suitable quantity of **ALUFLUX 01 A** to permit the release of molten metal held within the globules of dross.

### INDICATIVE SPECIFICATIONS

PROPERTY	RANGE	
	ALUFLUX 06 A	ALUFLUX 06 B
PRODUCT NAME	ALUFLUX 06 A	ALUFLUX 06 B
Colour	White / Reddish pink	White/ Reddish Pink
Physical Appearance	Powder	Powder
Moisture	0.5% max.	0.5% max.
Melting point	630°C ± 20°C	630°C ± 20°C
Mesh Size	-40 Mesh	-40 Mesh
Shelf life	6 Months	6 Months

### PACKING DETAILS

**ALUFLUX 06** is supplied in 20kg HDPE bags. The product should be stored in a cool and dry place.

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## MATERIAL SAFETY DATA SHEET: **ALUFLUX 06**

<b>1. IDENTIFICATION OF PRODUCT :-</b>	
Trade Name & Use	: ALUFLUX 06 A AND ALUFLUX 06 B – Metallurgical Flux
Manufacturer / Supplier	: QUALITY TECHNOLOGIES PVT. LTD. No.34, Road No.1, IDA Mallapur, Nacharam P.O., Hyderabad – 500076. PH:040-27153888, 27155828 Fax: 040-27152567, email : <a href="mailto:info@qtecindia.com">info@qtecindia.com</a> Website:www.qtecindia.com
<b>2. INFORMATION ON COMPOSITION</b>	: Mixture of Halide salts
<b>3. HAZARDS IDENTIFICATION :-</b>	
Flammability	: No
Auto Ignition Temperature	: None
Corrosive Material	: Partly corrosive upon prolonged exposure
Explosive Material	: No
<b>4. FIRST AID :-</b>	
At inhalation, ingestion and contact with skin	: Rinse with plenty of water and if suspect symptoms persist seek
Eye Contact	Medical advice.
<b>5. FIRE – FIGHTING MEASURES :-</b>	
Fire	: Use water.
<b>6. ACCIDENTAL RELEASE MEASURES :-</b>	
	: Spillage should be swept away and washed away with water wherever required.
<b>7. HANDLING STORAGE :-</b>	
Handling & Storage precautions	: Keep in a cool and dry place.
<b>8. EXPOSURE CONTROLS / PERSONAL PROTECTION :-</b>	
Route of Entry	: Skin
Effects of Exposure	: Constant exposure and inhalation cause mild irritation to the nose, eyes and skin. Wash the affected area with lot of water and consult a doctor.
Personal protective equipment	: Avoid direct contact with hands, use gloves wherever possible.
<b>9. PHYSICAL AND CHEMICAL PROPERTIES :-</b>	
Appearance	: White/Reddish pink colour free flowing powders.
Physical state	: powder
Odor	: Semi Pungent Odour
<b>10. STABILITY AND REACTIVITY:-</b>	
Chemical Stability	: Stable
Incompatibility with	: Hygroscopic and dissolves in water.
Other materials	
Hazardous reaction product	: None
<b>11. TOXICOLOGICAL INFORMATION :-</b>	
On product	: No data available
On Ingredients	: Contains Salts which are mildly toxic.
<b>12. ECOLOGICAL INFORMATION :-</b>	
On product	: No data available
On Ingredients	: No data available
<b>13. DISPOSAL CONSIDERATIONS :-</b>	
Empty Bags	: Never use empty bags for storing food stuffs or other materials meant for human and animal consumption. Empty bags may be sold as scrap or to HDPE recyclers approved by the State Pollution Control Boards.
<b>14. TRANSPORT INFORMATION :-</b>	: Non-dangerous product for transportation by road, sea, air.
<b>15. REGULATORY INFORMATION :-</b>	: No data available
<b>16. OTHER INFORMATION :-</b>	: No data available

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