

# QUALITY TECHNOLOGIES PRIVATE LIMITED

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## TECHNICAL DATA SHEET: **ALUFLUX 10**

### PRODUCT DESCRIPTION

**ALUFLUX 10** are a range of metal treatment fluxes for Aluminium and its Alloys. Most aluminium alloys will contain minor percentage of some alloying elements that are considered as impurities. **ALUFLUX 10** is a treatment flux that reduces the level of these impurities. Presently the following grades of **ALUFLUX 10** are available in our range -

- **ALUFLUX 10 A** - Metal treatment flux for reducing Magnesium percent.
- **ALUFLUX 10 B** - Metal treatment flux for reducing Manganese percent.

### HOW TO USE

**ALUFLUX 10** are powder fluxes that have to be added to the molten metal just before the degassing operation. After the existing flux layer is removed this powder has to be added to the bath and thoroughly mixed. The mixing/rabbling operation should ensure intimate contact between this flux and molten metal so that the chemical reactions progress efficiently. The addition rate depends upon the opening level of the element to be reduced, the final level required, intensity of rabbling, and molten metal temperature. Correct addition rates can therefore be determined only through trials. **ALUFLUX 10** should normally be used for minor composition correction, along with charge balancing and may not be economical if used in isolation only to reduce the level of the impurities. Normal addition rates range between 1 to 4% of the charge weight.

### INDICATIVE SPECIFICATIONS

PROPERTY	RANGE	
PRODUCT NAME	ALUFLUX 10 A	ALUFLUX 10 B
Colour	Light Brown	Yellow
Moisture	0.5% max.	0.5% max.
Mesh Size	-60 Mesh	-60 Mesh
Shelf life	6 Months	6 Months

### PACKING DETAILS

**ALUFLUX 10** 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 10**

### 1. PRODUCT IDENTIFICATION

Trade Name & Use : ALUFLUX 10 A, ALUFLUX 10 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 : [info@qtecindia.com](mailto:info@qtecindia.com)  
Website:www.qtecindia.com

### 2. INFORMATION ON COMPOSITION

: Mixture of Halide salts

### 3. HAZARDS IDENTIFICATION

Flammability : No  
Auto Ignition Temperature : None  
Corrosive Material : Partly corrosive upon prolonged exposure  
Explosive Material : No

### 4. FIRST AID :-

At inhalation, ingestion and contact with skin : Rinse with plenty of water and if suspect symptoms persist seek  
Eye Contact : Medical advice.

### 5. FIRE – FIGHTING MEASURES :-

Fire : Not Flammable

### 6. ACCIDENTAL RELEASE MEASURES :-

: Spillage should be swept away and washed away with water wherever required.

### 7. HANDLING STORAGE :-

Handling & Storage precautions : Keep in a cool and dry place.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION :-

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.

### 9. PHYSICAL AND CHEMICAL PROPERTIES:-

Appearance : Whitish Brown free flowing powder  
Physical state : Powder  
Odour : Semi Pungent Odour

### 10. STABILITY AND REACTIVITY :-

Chemical Stability : Stable  
Incompatibility with : Partly Hygroscopic and Sublimes in air  
Other materials  
Hazardous reaction product : None

### 11. TOXICOLOGICAL INFORMATION :-

On product : No data available  
On Ingredients : Contains Salts which are mildly toxic.

### 12. ECOLOGICAL INFORMATION :-

On product : No data available  
On Ingredients : No data available

### 13. DISPOSAL CONSIDERATIONS :-

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.

### 14. TRANSPORT INFORMATION :-

: Non-dangerous product for transportation by road, sea, air.

### 15. REGULATORY INFORMATION :-

: No data available

### 16. OTHER INFORMATION :-

: No data available

**DISCLAIMER:** This information is furnished without warranty of any kind. It is based on our knowledge and is believed to be reliable. This information does not contain any assurance of technical properties or suitability for a specific application or results. We reserve the right to change specs. without prior notice as a natural consequence of our continuous efforts in product development and improvement.