

QUALITY TECHNOLOGIES PRIVATE LIMITED

TECHNICAL DATA SHEET: **ALUFLUX 01**

PRODUCT DESCRIPTION

ALUFLUX 01 are range of general purpose covering fluxes for melting of Aluminium and its alloys. The flux forms a cover on the top of the molten metal and prevents its direct exposure to ambient furnace atmosphere. It reduces oxidation of molten Aluminum in all types of Crucible Furnaces, Induction Furnaces, Reverberatory Furnaces ...etc. Presently the following grades of **ALUFLUX 01** are available in our range –

- **ALUFLUX 01 A** - Premium quality flux, for melting of Aluminium and its alloys.
- **ALUFLUX 01B** - Mainly recommended for melting of commercial Aluminium alloys used in the manufacture of vesselsetc.

HOW TO USE

ALUFLUX 01 is added on the top of the charge before melting. The melting cycle is then started, as per normal practice with intermittent charging and melt down. Subsequently during the melting cycle, additional quantity should also be added depending upon the surface area exposed, quantity of metal being melted and quality of charge. While the normal addition rate of **ALUFLUX 01** is 0.5 to 1.0% of the charge; the exact percent will depend upon all the above factors, as well as on operator's skill. When the metal is ready for tapping/casting, the flux cover has to be rabbled with the molten alloy, to permit the release of molten metal held within the globules of dross. This operation ensures that the dross is totally powdery in nature and is free of metal.

INDICATIVE SPECIFICATIONS

PROPERTY	RANGE	
	ALUFLUX 01 A	ALUFLUX 01 B
PRODUCT NAME	ALUFLUX 01 A	ALUFLUX 01 B
Appearance	Pink Colour Powder	Pink Colour Powder
Moisture	1 % max	1% max.
Melting point	650 ⁰ C± 20 ⁰ C	675 ⁰ C± 20 ⁰ C
Mesh Size (Passing through -44 Mesh)	60% Min	60% Min

PACKING DETAILS

ALUFLUX 01 is supplied in 20kg HDPE bags. The product should be stored in a cool and dry place. The Shelf Life of these products are 6 Months.

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MATERIAL SAFETY DATA SHEET: **ALUFLUX 01**

1. **PRODUCT IDENTIFICATION**
Trade Name & Use : ALUFLUX 01 A, ALUFLUX 01 B – Metallurgical Flux
Manufacturer / Supplier : QUALITY TECHNOLOGIES PVT. LTD.
No.34, Road No.1, IDA Mallapur, Nacharam P.O.,
Hyderabad – 500076. PH:040-271 53888, 271 55828
Fax: 040-271 52567, email : 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 : Pink free flowing powder
Physical state : Powder
Odour : Semi Pungent Odour
10. **STABILITY AND REACTIVITY :-**
Chemical Stability : Stable
Incompatibility with : Partly Hygroscope and dissolves in water
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

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