

QUALITY TECHNOLOGIES PRIVATE LIMITED

TECHNICAL DATA SHEET: **ALUFLUX 03**

PRODUCT DESCRIPTION

ALUFLUX 03 are a range of special purpose exothermic and low melting fluxes mainly used in aluminium recycling operations. These fluxes are formulated to melt, spread and react at a low temperature and enable easy separation of molten metal from dross as well as prevent further oxidation by forming a blanket cover. Presently two grades of **ALUFLUX 03** are available in our range-

- **ALUFLUX 03 A** - For molten metal recovery from hot dross.
- **ALUFLUX 03 B** - For melting swarf, borings, turnings... etc.

HOW TO USE

ALUFLUX 03 A is a hot dross metal recovery flux. This flux should be spread out layer by layer in a sandwich manner, in between layers of the dross during the transferring operation to the dross bucket. The contents of the bucket should then be thoroughly rabbled and pressed by mechanical means. Because of the exothermic reaction generated by the flux, as well as the change in the wetting characteristics, molten metal gets easily separated from the dross and percolates out. **ALUFLUX 03 B** should be added along with the boring scrap intermittently in a sandwich manner and then melted in a crucible furnace. By the time boring scrap melts fully a molten layer of the flux will form on the top of the charge. Further boring additions may be carried out without removing this flux layer. Further flux additions may be made depending upon the requirement. At the end of the melting operation this layer should be thoroughly mixed with the molten metal to enable easy separation of all the dross, and then the molten metal tapped out.

INDICATIVE SPECIFICATIONS

PROPERTY	RANGE	
PRODUCT NAME	ALUFLUX 03 A	ALUFLUX 03 B
Colour	Violet	Light brown/ Reddish Pink
Moisture	0.5% max.	0.5% max.
Melting point	640°C± 20°C	600°C ± 20°C.
Mesh Size	-40 Mesh	-40 Mesh
Shelf life	6 Months	6 Months

PACKING DETAILS

ALUFLUX 03 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 03**

1. **PRODUCT IDENTIFICATION**
Trade Name & Use : ALUFLUX 03 A, ALUFLUX 03 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
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 : Violet / Brownish free flowing powder
Physical state : Powder
Odour : Semi Pungent Odour
10. **STABILITY AND REACTIVITY :-**
Chemical Stability : Stable
Incompatibility with : Partly Hygroscopic 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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