



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	
	ALUFLUX 03 A	ALUFLUX 03 B
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.



MATERIAL SAFETY DATA SHEET: **ALUFLUX 03**

1. CHEMICAL IDENTITY	
Chemical Name	: Metallurgical Flux
Chemical Classification	: Mixture of salts and minerals.
Trade Name	: ALUFLUX 03 A and ALUFLUX 03 B.
2. PHYSICAL AND CHEMICAL DATA	
Appearance	: ALUFLUX 03 A is a violet colour free flowing powder, ALUFLUX 03 B is a light brown or reddish pink colour free flowing powder.
Physical state	: Solid
Odor	: Semi Pungent Odour.
3. FIRE & EXPLOSION HAZARD DATA	
Flammability	: No
Auto Ignition Temperature	: None
Corrosive Material	: No
Explosive Material	: No
4. REACTIVITY DATA	
Chemical Stability	: Stable
Incompatibility with	: Hygroscopic and dissolves
Other materials	in water
Hazardous reaction product	: None
5. HEALTH HAZARD DATA	
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.
6. PREVENTIVE MEASURES	
Personal protective equipment	: Avoid direct contact with hands, use gloves wherever possible.
Handling & Storage precautions	: Keep in a cool and dry place.
7. EMERGENCY & FIRST AID MEASURES	
Fire	: Use water / CO ₂ / Foam Extinguisher.
Spillage	: Sweep away the spilled material.
8. HANDLING & DISPOSAL	
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.
9. MANUFACTURER / SUPPLIER DATA	
Name	: Quality Technologies Private Limited
Address	: No.34, Rd. No.1, IDA Mallapur, Nacharam, Hyderabad – 500 076
Telephone	: 040 27153888, 27155828
Fax	: 040 27152567
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10. DATE OF INFORMATION	: 01.01.2008.

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