

QUALITY TECHNOLOGIES PRIVATE LIMITED

TECHNICAL DATA SHEET: **ALUFLUX 04**

PRODUCT DESCRIPTION

ALUFLUX 04 A is a special purpose highly exothermic flux for removing dross from the walls of Reverberatory furnaces and crucible furnaces used for Aluminium melting. Because of the highly exothermic and reactive nature of the flux, it generates a lot of heat, and acts chemically to loosen the dross from the semi solidified drossy Aluminium mass that sticks to the furnace walls. This reduces the mechanical forces required to clean the furnace walls, thereby increasing the life of the furnace. Periodic use of this flux ensures that the furnace is always clean, thereby permitting maximum capacity utilization of the furnace from the first heat to the last heat. This flux also reduces the inclusions in the molten metal.

HOW TO USE

It is advisable to use the flux in the last 2–3 heats of the melting campaign. The flux is sprayed / sprinkled / directed on to the hot drossy areas in the furnace, and after 2–3 minutes it generates a highly exothermic reaction, which melts the lumpy and drossy metal, permitting the metal to trickle down and loosening the dross. As a result of this, the dross can be removed easily with minimum mechanical forces.

INDICATIVE SPECIFICATIONS

PROPERTY	RANGE
Colour	Pink
Moisture	0.5% max.
Melting point	650°C±20°C.
Mesh Size	-40mesh
Shelf life	6 Months

PACKING DETAILS

ALUFLUX 04 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 04**

1. **PRODUCT IDENTIFICATION**
Trade Name & Use : ALUFLUX 04 A – 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 : White 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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