



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 \pm 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.



MATERIAL SAFETY DATA SHEET: **ALUFLUX 04**

1. **CHEMICAL IDENTITY**
 Chemical Name : Metallurgical Flux
 Chemical Classification : Mixture of salts and minerals.
 Trade Name : ALUFLUX 04 A
2. **PHYSICAL AND CHEMICAL DATA**
 Appearance : 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 / CO₂/ 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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