



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.

Low cost versions of the above products that are available on request are designated as **ALUFLUX L1 A** and **ALUFLUX L1 B** respectively.

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
Colour	Pink	Pink
Physical Appearance	Powder	Powder
Moisture	0.5% max	0.5% max.
Melting point	650°C ± 20°C	675°C ± 20°C
Mesh Size	-40 Mesh	-40 Mesh
Shelf Life	6 Months	6 Months

PACKING DETAILS

ALUFLUX 01 is supplied in 20kg HDPE bags. The product should be stored in a cool and dry place.



MATERIAL SAFETY DATA SHEET: **ALUFLUX 01**

- CHEMICAL IDENTITY**
Chemical Name : Metallurgical Flux
Chemical Classification : Mixture of salts and minerals.
Trade Name : ALUFLUX 01 A, ALUFLUX 01 B, ALUFLUX L1A.
ALUFLUX L1B.
- PHYSICAL AND CHEMICAL DATA**
Appearance : Pink free flowing powder
Physical state : Powder
Odour : Semi Pungent Odour
- FIRE & EXPLOSION HAZARD DATA**
Flammability : No
Auto Ignition Temperature : None
Corrosive Material : No
Explosive Material : No
- REACTIVITY DATA**
Chemical Stability : Stable
Incompatibility with : Hygroscopic and dissolves in water
Other materials :
Hazardous reaction product : None
- HEALTH HAZARD DATA**
Route of Entry : Skin
Effects of Exposure : Constant exposure and inhalation cause mild Irritation to the nose, skin and eyes. Wash the affected area with lot of water and consult a doctor.
- PREVENTIVE MEASURES**
Personal protective equipment : Avoid direct contact with hands, use gloves wherever possible.
Handling & Storage precautions : Keep in a cool and dry place.
- EMERGENCY & FIRST AID MEASURES**
Fire : Use water.
Spillage : Sweep away the spilled material.
- 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.
- MANUFACTURER / SUPPLIER DATA**
Name : Quality Technologies Private Limited
Address : No.34, Rd. No.1, IDA Mallapur, Nacharam,
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- DATE OF INFORMATION** : 01.01.2008.

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