



TECHNICAL DATA SHEET: **TINFLUX 01**

PRODUCT DESCRIPTION

TINFLUX 01 are a range of fluxes used for protecting, and cleansing tin and its alloys during melting and for high recovery of tin from drosses. Normally tin is prone to oxidation during melting and the dross formed contains metallics in it. **TINFLUX 01** melts at lower temperatures than the metallic charge and progressively forms a thick fluid slag on the top of molten metal which protects from oxidation. It also ensures smooth skimming of drosses, with low content of metallics. Presently only one grade of **TINFLUX 01** is available in our range and is designated as **TINFLUX 01 A**.

HOW TO USE

TINFLUX 01 is added in two stages. The normal addition rate of **TINFLUX 01** is 0.25-0.5%. Firstly, add 0.25% during early stages of melting and add further when the charge has become completely molten. After addition, rabble the melt with a perforated plunger and allow the melt to settle for a few minutes before skimming. However the exact addition will depend upon the quality of the charge, melting practice and type of furnace.

INDICATIVE SPECIFICATIONS

PROPERTY	RANGE
PRODUCT NAME	TINFLUX 01 A
Appearance	Powder
Colour	Grey
Mesh size	-40 mesh
Moisture	0.5 % max
Shelf life	6 Months

PACKING DETAILS

TINFLUX 01 range of products are supplied in 20Kg HDPE bags. The products should be stored in a cool and dry place.



MATERIAL SAFETY DATA SHEET: **TINFLUX 01**

1. CHEMICAL IDENTITY	
Chemical Name	: Metallurgical Flux.
Chemical Classification	: Mixture of salts and minerals.
Trade Name	: TINFLUX 01 A.
2. PHYSICAL AND CHEMICAL DATA	
Appearance	: TINFLUX 01 A is Grey colour powder
Physical state	: TINFLUX 01 A is Grey colour powder
Odor	: Specific odour
3. FIRE & EXPLOSION HAZARD DATA	
Flammability	: No
Auto Ignition Temperature	: No
Corrosive Material	: No
Explosive Material	: No
4. REACTIVITY DATA	
Chemical Stability	: Stable
Incompatibility with Other materials	: Data not available
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.
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
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10. DATE OF INFORMATION	: 01.01.2008.

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