



TECHNICAL DATA SHEET: **FERFLUX 01**

PRODUCT DESCRIPTION

FERFLUX 01 are a range of furnace cleaning additives for reducing slag build up on lining walls of acidic lined Induction furnaces. **FERFLUX 01** minimizes the slag build-up and maintains full capacity of the furnace for longer times. It reduces power consumption by increasing the melting efficiency. The life of the lining increases due to addition of this product. These ranges of products are essentially slag fluidizers that reduce the eutectic melting point of the slag and hence keep it molten at lower temperature. Presently the following grades of **FERFLUX 01** are available in our ranges, depending upon the decreasing order of reactive efficiency-

- **FERFLUX 01 A** - Most reactive product
- **FERFLUX 01 B** - Medium grade product
- **FERFLUX 01 C** - Least reactive product

HOW TO USE

FERFLUX 01 is added at the bottom of the induction furnace and scrap is charged over it. The melting cycle is then started, as per normal practice with intermittent charging and melt down. Finally after the metal is fully ready, slag is allowed to float to the surface, and skimmed off. The normal addition rate of **FERFLUX 01 A** is 0.1% of the charge. The correct addition rate will however depend upon quality of charge, furnace frequency and slag generating tendency of the molten metal. In case of continuous melting wherein a liquid heel is maintained in the furnace, **FERFLUX 01 A** may be added on the molten heel and then scrap is charged over it. In case it is desirable to reduce slag build up during the course of melting campaign i.e., during the life of the running furnace lining, the addition rate may be increased or alternatively a more powerful product in this range may be used.

INDICATIVE SPECIFICATIONS

FERFLUX 01 are creamish coloured dry free flowing powders, passing through -60 mesh and containing less than 1% moisture. The product has got a shelf life of 6 months.

PACKING DETAILS

FERFLUX 01 is supplied in 20kg HDPE bag, and should be stored in a cool and dry place.



MATERIAL SAFETY DATA SHEET: **FERFLUX 01**

1. **CHEMICAL IDENTITY**
 Chemical Name : Metallurgical Flux
 Chemical Classification : Mixture of salts and minerals.
 Trade Name : FERFLUX01A, FERFLUX01B, FERFLUX01C.
2. **PHYSICAL AND CHEMICAL DATA**
 Appearance : Creamish White free flowing powder
 Physical state : Solid
 Odor : Odorless
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.
 Spillage : Sweep away the spilled material.
8. **HANDLING & DISPOSAL**
 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
 e-mail : info@qtecindia.com
10. **DATE OF INFORMATION** : 01.01.2008.

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