



TECHNICAL DATA SHEET: **FERFLUX 02**

PRODUCT DESCRIPTION

FERFLUX 02 A is a special purpose additive for deoxidizing and reducing blow holes and pin holes in cast irons. Presence of oxygen in the molten metal leads to formation of intermetallic oxides, which increases tendency for inclusions and reduces metal temperature leading to reduction in fluidity and increasing the chance for cold shuts and misruns. The use of **FERFLUX 02 A** deoxidizes the molten metal, and also scavenges the alloy off all the suspended impurities, which then float to the top of the molten metal and get attached to the slag. The flux also refines the molten metal.

HOW TO USE

The flux is mainly a ladle additive, and has to be added just before tapping the molten metal into the ladle. For large amounts of metal only about one quarter of the total amount of **FERFLUX 02 A** should be added in the ladle, the remainder should be added at intervals during tapping. The normal addition rate of this product varies from 0.1% to 0.2% of the molten metal. The correct addition rate will depend upon the quality of the charge and other metal related variables and can be determined through trial and error method. The completion of full deoxidation can be seen by a noticeable change in fluidity as observed in the fluidity spirit test.

INDICATIVE SPECIFICATIONS

FERFLUX 02 are grey coloured dry free flowing powders passing though - 60 mesh and containing less than 1% moisture. The product has got a shelf life of 6 months.

PACKING DETAILS

FERFLUX 02 is supplied in 20kg HDPE bags. The product should be stored in a cool and dry place.



**QUALITY TECHNOLOGIES
PRIVATE LIMITED**

No.34, ROAD No.1, I.D.A. MALLAPUR,
NACHARAM P.O., HYDERABAD - 500 076.
PHONE : 040-27153888, 27155828, FAX: 040-27152567
e-mail : info@qtecindia.com • website: www.qtecindia.com

MATERIAL SAFETY DATA SHEET: FERFLUX 02

1. CHEMICAL IDENTITY	
Chemical Name	: Metallurgical Flux
Chemical Classification	: Mixtures of salts and minerals.
Trade Name	: FERFLUX 02 A
2. PHYSICAL AND CHEMICAL DATA	
Appearance	: Gray colour 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 Other materials	: Non Hygroscopic
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
Fax	: 040 27152567
e-mail	: info@qtecindia.com
10. DATE OF INFORMATION	: 01.01.2008

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