

TECHNICAL DATA SHEET: **MAGFLUX 01**

PRODUCT DESCRIPTION

MAGFLUX 01 are a range of fluxes used for protecting, and cleansing Magnesium and its alloys during melting. Magnesium is highly oxidizing in nature and forms substantial amount of dross during melting. **MAGLUX 01** forms a protective cover over the charge and reduces the oxidation of the molten metal. It also ensures smooth skimming of drosses, with low content of metallics. Presently only one grade of **MAGFLUX 01** is available in our range and is designated as **MAGFLUX 01 A**.

HOW TO USE

MAGFLUX 01 should be added intermittently along with the charge such that by the time the charge has fully melted, a layer of the flux melts and forms the protective cover on the top of the molten metal. Further additions of the charge are continued, care should be taken to ensure that the protective flux blanket is not broken apart to expose the molten metal. Further additions of the flux may be made, to ensure that the protective layer is always maintained. After the metal is ready and degassing is carried out the flux layer may be skimmed to aside and the metal poured out. Do not rabble the flux and molten metal since this would lead to increased oxidation.

INDICATIVE SPECIFICATIONS

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

PACKING DETAILS

MAGFLUX 01 range of products are supplied in 30Kg Carboys. The products should be stored in a cool and dry place.



MATERIAL SAFETY DATA SHEET: **MAGFLUX 01**

1. CHEMICAL IDENTITY	
Chemical Name	: Metallurgical flux
Chemical Classification	: Mixture of salts and minerals
Trade Name	: MAGFLUX 01.
2. PHYSICAL AND CHEMICAL DATA	
Appearance	: MAGFLUX 01 A is White colour powder.
Physical state	: MAGFLUX 01 A is a White 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
Fax	: 040 27152567
e-mail	: info@qtecindia.com
10. DATE OF INFORMATION	: 01.01.2008.

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