



TECHNICAL DATA SHEET: CUPFLUX

PRODUCT DESCRIPTION

CUPFLUX range of products are essentially for melting and refining fluxes to be used in the melting of various Copper based Alloys like gun metals, brasses, bronzes... etc. When used collectively, as explained below, these products provide a range of functions starting from forming a protective cover for preventing metal oxidation, to reducing the gas pick up, to degassing and deoxidizing the molten copper alloy. The covering fluxes melt at lower temperatures than the metallic charge, and progressively float to the top forming a thick fluid slag that protects the molten metal. **CUPFLUX** products are presently categorized into various grades starting from **CUPFLUX 01 A** to **CUPFLUX 07 C**.

HOW TO USE

CUPFLUX 01 A	Powder melting flux for GUN METALS.
CUPFLUX 01 B	Briquette melting flux for GUN METALS.
CUPFLUX 02 A	Powder melting flux for AL. BRONZE AND MN. BRONZE.
CUPFLUX 03 A	Briquette melting flux for all grades of BRASS.
CUPFLUX 03 B	Powder melting flux for all grades of BRASS.
CUPFLUX 03 C	Powder melting flux for all grades of BRASS, mainly recommended for boring scrap and other dirty scraps.
CUPFLUX 03 D	Powder melting flux for Aluminium removal
CUPFLUX 04 A	Powder melting flux for all grades of CHROMIUM BRONZES.
CUPFLUX 06 A	Drossing flux for all types of brasses, brazing metals and gilding metals.

All the above fluxes are melting and covering fluxes and the suggested addition rate is 1% of the charge. The exact addition rate will depend upon quality of the charge, melting practice, type of furnace... etc. and can be determined only through actual trials. The flux has to be added along with the charge intermittently in a sandwich manner. Some of the fluxes are available both in powder form and briquette form (500gm.), thereby giving the option of usage depending upon convenience.

CUPFLUX 05 A	Degassing tablet for all COPPER ALLOYS. Each tablet weighs 100gms. Plunge this product in molten alloy before casting by means of a steel poker rod. Addition rate is 0.5% by weight of metal.
CUPFLUX 07 A CUPFLUX 07 B CUPFLUX 07 C	Deoxidizing packets for all COPPER ALLOYS to be plunged into molten alloy after completion of Degassing. Suggested addition rate is one packet of CUPFLUX 07 A is for 25kgs. molten alloy; one packet of CUPFLUX 07 B for 50kgs. molten alloy; one packet of CUPFLUX 07 C for 75kgs. molten alloy.

PACKING DETAILS

CUPFLUX 01, **CUPFLUX 02**, **CUPFLUX 03**, **CUPFLUX 04**, **CUPFLUX 05** and **CUPFLUX 06** are supplied in 20kgs. packing, the briquettes in cardboard Boxes and powders in HDPE bags. **CUPFLUX 07** is supplied in lots of 100 Nos. in polybag.



MATERIAL SAFETY DATA SHEET: CUPFLUX

1. **CHEMICAL IDENTITY**
 Chemical Name : Metallurgical Flux.
 Chemical Classification : mixture of salts and minerals
 Trade Name : Cupflux 01 A to Cupflux 07 C.
2. **PHYSICAL AND CHEMICAL DATA**
 Appearance :
 Physical state : Powder and tablets.
 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 : Data not available
 Other materials
 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/Cardboard boxes : Never use empty bags/cardboard boxes for storing food stuffs or other materials meant for human and animal consumption. Empty bags/Cardboard boxes 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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