



## TECHNICAL DATA SHEET: **ALUFLUX 08**

### PRODUCT DESCRIPTION

**ALUFLUX 08** is a general purpose tablet additive for degassing all varieties of Aluminium alloys. Since the presence of hydrogen gas in the Aluminium melt gives rise to pin hole porosity in the cast product, it is therefore necessary to remove hydrogen from the melt as possible prior to pouring. This tablet mainly serves for the purpose of removing hydrogen gas by flushing with chlorine generating additives into the melt. This tablet reacts with molten Aluminium, generating nascent Aluminium Chloride gas, which in turn generates micro bubbles of chlorine, into which the dissolved hydrogen migrates due to partial pressures phenomena and finally comes out to the top of the molten metal. Presently the following grades of **ALUFLUX 08** are available in our range, depending upon the decreasing order of reaction –

- **ALUFLUX 08 A** – High efficiency degasser and generates fumes.
- **ALUFLUX 08 B** – Environment friendly and generates low fumes.

Low cost versions of the above products that are available on request are designated as **ALUFLUX L8 A** and **ALUFLUX L8 B**.

### HOW TO USE

The degassing operation has to be carried out when the entire metal is super heated and ready for final treatment before tapping. The tablet has to be plunged into the molten metal when it ready for tapping, by means of a perforated plunger and held in place till the tablet is totally consumed. It is advisable not to increase the metal temperature any further after degassing, since Hydrogen dissolution increases with increasing metal temperature. During the treatment operation a small quantity of smoke is generated due to generation of gasses. The normal addition rate of this tablet is 0.1% to 0.2% of the molten metal. Choose the largest tablet size appropriate to your melt size for maximum efficiency.

### INDICATIVE SPECIFICATIONS

PROPERTY	RANGE	
	ALUFLUX 08 A	ALUFLUX 08 B
PRODUCT	ALUFLUX 08 A	ALUFLUX 08 B
Colour	Blue Colour	Green colour
Melting point	187- 190°C	187- 190°C
Shelf Life	6 Months	6 Months

### PACKING DETAILS

ALUFLUX 08 range are available in tablet size of 50, 100 and 500gm. As the product sublimes in air, tablets are wrapped in an aluminum foil, and finally placed in 20kg Card Board Boxes.



## MATERIAL SAFETY DATA SHEET: **ALUFLUX 08**

1. **CHEMICAL IDENTITY**  
 Chemical Name : Metallurgical Flux  
 Chemical Classification : Mixture of salts and minerals  
 Trade Name : ALUFLUX 08 A ALUFLUX L8 A, ALUFLUX L8 B, and ALUFLUX 08 B.
2. **PHYSICAL AND CHEMICAL DATA**  
 Appearance : ALUFLUX 08 A and ALUFLUX L8 A are a blue coloured tablets while ALUFLUX 08 B and ALUFLUX L8 B are a green colour tablets  
 Physical state : Solid  
 Odor : Specific Odour
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 : Hygroscopic and dissolves in alcohol and sublimes in air.  
 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 Foils / Card Board boxes : Never use empty foil for storing food stuffs or other materials meant for human and animal consumption. Used foils and Card board boxes may be sold as scrap.
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](mailto:info@qtecindia.com)
10. **DATE OF INFORMATION** : 01.01.2008.

**DISCLAIMER:** This information is furnished without warranty of any kind. It is based on our knowledge and is believed to be reliable. This information does not contain any assurance of technical properties or suitability for a specific application or results. We reserve the right to change specs. without prior notice as a natural consequence of our continuous efforts in product development and improvement.