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# ECO - MAGNESIUM REMOVER (MGR)

## PRODUCT DATASHEET

### APPLICATION:-

ECO - MGR is recommended for the removal of unwanted magnesium from aluminium alloys.

ECO - MGR decomposes when heated at 700- 800 degree celcius to release products which react preferentially with magnesium and remove it from the melt. Temperatures above 750 degree celcius are recommended for best reactivity. ECO - MGR has a slight fluxing action helping to clean the melt and dry the dross.

### USAGE INSTRUCTION:-

The quantity of ECO - MGR required will vary according to the amount of magnesium to be removed. In practice 8 - 10 kg ECO - MGR should remove 1 kg magnesium from 1000 kgs of molten aluminium with good stirring.

### FURNACE TREATMENT: -

- A) Thoroughly remove all dross from the metal surface.
- B) Carry out preliminary treatment of the furnace by uniformly spreading ECO - MGR on the metal surface. The recommended addition rate is 8 kg of ECO - MGR for every 1 kg of magnesium required to be removed.
- C) Thoroughly mix the flux into the melt. This can be further assisted by lancing the melt with nitrogen.
- D) After approximately 20-30 minutes, analyze the melt and carry out additional treatment if necessary.

### STORAGE:-

- # Keep ECO - MGR in its closed packing until used to avoid moisture pickup.
- # Store product in a dry, cool area and do not open packaging prior to use.