



## TECHNICAL DATA SHEET: **DIECOAT 01**

### PRODUCT DESCRIPTION

**DIECOAT 01** are a range of water based release coatings for pressure die casting applications. This coating is ideally suited for thin walled intricate Aluminium castings. This coating is an emulsion of specialty additives which enable easy release of the casting from the die. The coating cools the die, prevents soldering of Aluminium and enables easy release of the casting. Since the coating is water based, it is environment friendly. Presently the following grades of **DIECOAT 01** are available in our range –

- **DIECOAT 01 A** - For lower dilutions.
- **DIECOAT 01 B** - For higher dilutions.

### HOW TO USE

**DIECOAT 01 A** and **DIECOAT 01 B** have to be diluted with water and sprayed on the die before every shot in the Pressure Die casting machine. **DIECOAT 01 A** should be diluted with soft water and then sprayed onto the die using the spraying equipment. **DIECOAT 01 A** may be diluted in the ratio of 1:50 to 1:90 while **DIECOAT 01 B** may be diluted in the ratio of 1:80 to 1:120. The exact dilution will depend upon the quality of the die, complexity of die, and steady state temperature required. Particular attention is required while spraying on core pins and ejector pins.

### INDICATIVE SPECIFICATIONS

PROPERTY	RANGE	
	DIECOAT 01 A	DIECOAT 01 B
PRODUCT NAME	DIECOAT 01 A	DIECOAT 01 B
Colour	Creamish White Colour	Creamish white Colour
Specific gravity	1 -1.1	1 -1.1
B4 cup viscosity	11 -13	11 -13
Shelf Life	6 Months	6 Months

### PACKING DETAILS

**DIECOAT 01** is supplied in 30kg carboys. The product should be stored in a cool and dry place



## MATERIAL SAFETY DATA SHEET: **DIECOAT 01**

- 1. CHEMICAL IDENTITY**  
 Chemical Name : Die release agent.  
 Chemical Classification : Water Based Emulsion.  
 Trade Name : DIECOAT 01 A and DIECOAT 01 B
- 2. PHYSICAL AND CHEMICAL DATA**  
 Appearance : Creamish White colour.  
 Physical state : Liquid  
 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 : Wash away the spilled material.
- 8. HANDLING & DISPOSAL**  
 Empty Containers : Empty carboys may be sold as scrap. Empty containers may retain residual quantities of the product. They are therefore hazardous if used directly for storing food stuffs or other materials meant for human and animal consumption
- 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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