

# QUALITY TECHNOLOGIES PRIVATE LIMITED

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## 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 A SPL / DX** – For higher dilutions.
- **DIECOAT 01 B SPL / DX** – For more higher dilutions.

### HOW TO USE

**DIECOAT 01 A** and **DIECOAT 01 A SPL / DX** 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 1:80 while **DIECOAT 01 A SPL / DX** may be diluted in the ratio of 1:80 to 1:140 and **DIECOAT 01 B SPL/DX** may be diluted in the ratio of 1:110 to 1:200. 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                      |                              |                            |
|------------------|----------------------------|------------------------------|----------------------------|
|                  | <b>DIECOAT 01 A</b>        | <b>DIECOAT 01 A SPL / DX</b> | <b>DIECOAT 01 B SPL/DX</b> |
| Colour           | Light yellow colour liquid | Light yellow colour liquid   | Light yellow colour liquid |
| Specific gravity | 0.9 to 1.0                 | 0.9 to 1.0                   | 0.9 to 1.0                 |
| B4 cup viscosity | 11-13                      | 11-13                        | 11-13                      |
| Shelf Life       | 6 Months                   | 6 Months                     | 6 Months                   |

### PACKING DETAILS

**DIECOAT 01** is supplied in 30kg Carboys / 200Kgs. Drums. The product should be stored in a cool and dry place

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

1. **PRODUCT IDENTIFICATION**  
Trade Name & Use : DIECOAT 01 – WATER BASED DIE RELEASE AGENT.  
Manufacturer / Supplier : QUALITY TECHNOLOGIES PVT. LTD.  
No.34, Road No.1, IDA Mallapur, Nacharam P.O.,  
Hyderabad – 500076. PH:040-271 53888, 271 55828  
Fax: 040-271 52567, email : [info@qtecindia.com](mailto:info@qtecindia.com)  
Website:www.qtecindia.com
2. **INFORMATION ON COMPOSITION** : Emulsion of oils, & Synthetic additives & Silcones.
3. **HAZARDS IDENTIFICATION**
- Flammability : No  
Auto Ignition Temperature : No  
Corrosive Material : No  
Explosive Material : No
4. **FIRST AID :-**  
At inhalation, ingestion and contact with skin : Rinse with plenty of soap and water and if suspect symptoms persist  
Eye Contact seek Medical advice.
5. **FIRE FIGHTING MEASURES**  
Fire : Not flammable.
6. **ACCIDENTAL RELEASE MEASURES** : Spillage should be washed away with water.
7. **HANDLING & STORAGE :-**  
Handling & Storage precautions : Keep in a cool and dry place.
8. **EXPOSURE CONTROLS / PERSONAL PROTECTION :-**  
Route of Entry : Skin  
Effects of Exposure : Constant exposure and inhalation may cause mild irritation to the  
nose, eye and skin. Wash the affected area with lot of water and consult  
a doctor.  
Personal protective equipment : Avoid direct contact with hands, use gloves wherever possible.
9. **PHYSICAL AND CHEMICAL PROPERTIES :-**  
Appearance : Creamish white Liquid  
Physical state : Liquid & Powder  
Odor : Jasmine Flavour
10. **STABILITY AND REACTIVITY:-**  
Chemical Stability : Stable  
Incompatibility with : Data not available  
Other materials
11. **TOXICOLOGICAL INFORMATION :-**  
On product : No data available  
On Ingredients : No data available.
12. **ECOLOGICAL INFORMATION :-**  
On product : No data available  
On Ingredients : No data available
13. **DISPOSAL CONSIDERATIONS :-**  
Empty Buckets : Never use empty buckets for storing food stuffs or other materials  
meant for human and animal consumption. Empty buckets may be  
sold as scrap or to HDPE recyclers approved by the State Pollution  
Control Boards.
14. **TRANSPORT INFORMATION :-** : Non-dangerous product for transportation by road, sea, air.
15. **REGULATORY INFORMATION :-** : No data available
16. **OTHER INFORMATION :-** : No data available

**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.