

# QUALITY TECHNOLOGIES PRIVATE LIMITED

## TECHNICAL DATA SHEET: **DIECOAT 03**

### PRODUCT DESCRIPTION

**DIECOAT 03** are a range of oil based Plunger Lubricants for Aluminium pressure die casting and Aluminium Extrusion press applications. **DIECOAT 03** lubricants contain high temperature additives which prevent seizure of the plunger and ensure its smooth operation during the injection of the molten metal. It minimizes friction between the shot sleeve and plunger. They also impart longer life to the moving parts by reducing wear and tear. The coating is specially formulated to remain in suspension over extended period. Presently the following grades of **DIECOAT 03** are available in our range, depending upon the viscosity –

- **DIECOAT 03 A** – High viscosity product
- **DIECOAT 03 B** – Medium grade product
- **DIECOAT 03 C** – Least viscous product.
- **DIECOAT 03 D** – Non Graphite based lubricant suitable for auto lubrication system.

### HOW TO USE

**DIECOAT 03** are supplied in ready to use form. Depending upon the application it may be diluted with required amount of Hydraulic oil for brushing/swabbing/spraying application. For small pressure die casting machines, this lubricant has to be applied on the plunger. Because of the high viscosity the material does not drip from the plunger thereby reducing wastages. For larger machines, it can be used through automatic dispensing systems after reducing the viscosity suitably by diluting with necessary amount of hydraulic oil. During the winter months the product tends to solidify due to ambient temperature conditions, making the product non–amenable for direct use. It is therefore advisable to thaw the product by warming it in sunlight or by other similar means.

### INDICATIVE SPECIFICATIONS

PROPERTY	RANGE			
PRODUCT NAME	DIECOAT 03 A	DIECOAT 03 B	DIECOAT 03 C	DIECOAT 03 D
Colour	Black Colour	Black Colour	Black Colour	White colour
Specific gravity	1.2-1.3	1.2-1.3	1.1-1.2	0.9-0.95
B10 cup viscosity	-	60-90secs	25-30secs	17-20secs MAX
Shelf Life	6 Months	6 Months	6 Months	6 Months

### PACKING DETAILS

**DIECOAT 03** is supplied in 30kg carboys. The product should be stored in a cool and dry place.

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## MATERIAL SAFETY DATA SHEET: DIECOAT 03

1. **IDENTIFICATION OF PRODUCT :-**  
Trade Name & Use : DIECOAT 03 A, DIECOAT 03 B, DIECOAT 03 C, DIECOAT 03 D –Die Lubricating agents.  
Manufacturer / Supplier : QUALITY TECHNOLOGIES PVT. LTD.  
No.34, Road No.1, IDA Mallapur, Nacharam P.O., Hyderabad – 500076. PH:040–27153888, 27155828  
Fax: 040–27152567, email : [info@qtecindia.com](mailto:info@qtecindia.com)  
Website:www.qtecindia.com
2. **INFORMATION ON COMPOSITION** : Graphite Oil Based Emulsion
3. **HAZARDS IDENTIFICATION :-**  
Flammability : Yes above 180°C.  
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 : Use Carbon Dioxide Foam.
6. **ACCIDENTAL RELEASE MEASURES :-** : Spillage should be swept away and washed away with soap water wherever required.
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 cause mild irritation to the nose, eyes and skin. Wash the affected area with lot of soap water and consult a doctor.  
Personal protective equipment : Avoid direct contact with hands, use gloves wherever possible.
9. **PHYSICAL AND CHEMICAL PROPERTIES :-**  
Appearance : Black colour.  
Physical state : Oily paste  
Odor : No specific odour
10. **STABILITY AND REACTIVITY:-**  
Chemical Stability : Stable  
Incompatibility with : No data available.  
Other materials  
Hazardous reaction product : No
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 Carboys : Never use empty carboys for storing food stuffs or other materials meant for human and animal consumption. Empty carboys may be sold as scrap.
14. **TRANSPORT INFORMATION :-** : Non-dangerous product for transportation by road, sea, air.
15. **REGULATORY INFORMATION :-** : No data available
16. **OTHER INFORMATION :-** : No data available

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