



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

Low cost diluted version of DIECOAT 03 A is available on request and is designated as **DIECOAT L3 A**.

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
Colour	Black Colour	Black Colour	Black Colour
Specific gravity	1.2-1.3	1.2-1.3	1.1-1.2
Shelf Life	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.



MATERIAL SAFETY DATA SHEET: **DIECOAT 03**

1. **CHEMICAL IDENTITY**
 Chemical Name : Die release agent
 Chemical Classification : Oil based emulsion
 Trade Name : DIECOAT 03 A, DIECOAT 03 B, DIECOAT 03 C,
 DIECOAT L3 A.
2. **PHYSICAL AND CHEMICAL DATA**
 Appearance : Black viscous pasty liquids
 Physical state : Liquid
 Odor : Specific odour
3. **FIRE & EXPLOSION HAZARD DATA**
 Flammability : Yes
 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 / CO₂ / Foam Extinguisher.
 Spillage : Wash away the spilled material.
8. **HANDLING & DISPOSAL**
 Empty Containers : Empty containers may be sold as scrap. Empty containers
 may retain residual quantities of the product. They are
 therefore hazardous if used directly for storing foodstuffs 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
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10. **DATE OF INFORMATION** : 01.01.2008.

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