



TECHNICAL DATA SHEET: **DIECOAT 02**

PRODUCT DESCRIPTION

DIECOAT 02 are a range of conventional mineral oil based lubricants for pressure die casting applications. The product is ideally suited for small pressure die casting machines where die cooling is not that critical and also in the casting of non ferrous alloys like zinc and magnesium that are prone to reaction with water based coatings. The product contains fatty oils that develop a thin film between the die and the casting thereby making the release easy. Presently the following grades of **DIECOAT 02** are available in our range, depending upon the reducing order of lubrication and release characteristics –

- **DIECOAT 02 A**
- **DIECOAT 02 B**
- **DIECOAT 02 C**

HOW TO USE

DIECOAT 02 can either be swabbed or sprayed with a hand spray mechanism. The coating may either be applied after every shot, or intermittently, depending upon the die quality, casting complexity and weight and speed of production required. Care should be taken to ensure that the coating does not collect in the pockets of the die, as this may lead to porosity and black marks on the casting. The coating will generate some smoke after application on the hot die. The die should also be periodically cleaned to remove excessive deposition at corners and deep pockets in the die.

INDICATIVE SPECIFICATIONS

PROPERTY	RANGE		
	DIECOAT 02 A	DIECOAT 02 B	DIECOAT 02 C
PRODUCT NAME	DIECOAT 02 A	DIECOAT 02 B	DIECOAT 02 C
Colour	Light Yellow colour	Light Yellow colour	Light Yellow colour
Specific gravity	0.8 -0.85	0.8 -0.85	0.75 -0.80
B4 cup viscosity	11-13	11-13	14-16
Shelf Life	6 Months	6 Months	6 Months

PACKING DETAILS

DIECOAT 02 grades are available in 25 kgs. plastic carboys and 170kgs. metal drums. Product should be stored in a cool and dry place.



MATERIAL SAFETY DATA SHEET: **DIECOAT 02**

1. CHEMICAL IDENTITY	
Chemical Name	: Die release agent
Chemical Classification	: Oil Based Emulsion.
Trade Name	: DIECOAT 02 A, DIECOAT 02 B and DIECOAT 02 C
2. PHYSICAL AND CHEMICAL DATA	
Appearance	: light Yellowish colour.
Physical state	: Liquid
Odor	: Specific odour
3. FIRE & EXPLOSION HAZARD DATA	
Flammability	: Yes
Auto Ignition Temperature	: 60° C keep away from hot areas.
Corrosive Material	: No
Explosive Material	: No
4. REACTIVITY DATA	
Chemical Stability	: Stable
Incompatibility with Other materials	: Data not available
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 and 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/C ₀₂ /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 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
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10. DATE OF INFORMATION	: 01.01.2008.