



# PRODUCT DATA SHEET



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## SEMI-FLUID MOLD RELEASE COMPOUND

**Semi-Fluid Mold Release Compound**, commonly known as Bel-Ray Releaso DT, is a chemically treated petroleum hydrocarbon releasing agent that is a translucent, tannish semi-fluid. It is tenacious; frequently one application permits multiple cycles before reapplication is necessary. **Semi-Fluid Mold Release Compound** is in solvent reduced semi-fluid form. It has excellent heat stability and water resistance which make it a versatile compound, useable in many molding applications.

### *Applications*

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- ◆ Release agents for:  
polyester resins, plastic moldings such as compression moldings, some injector moldings, transfer moldings, extruding, calendaring, hot and cold bending, stretch forming, slip forming, drawing, die pressing, veneering, pressure forming, laminating and impregnation, contact lay-up molding, matched metal molding, wet lay-up, resin bonded grinding wheels, casting, glue pots and tanks, protection from glue spray and spray booth walls, etc.

### *Features and Benefits*

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|-------------------------|-----------------------|
| ◆ Organo-clay thickener | High dropping point.  |
| ◆ Adhesive              | Remains on equipment. |
| ◆ Water resistant       | For wet applications. |

### *General Description*

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**Semi-Fluid Mold Release Compound** is the semi-fluid version of **Mold Release Compound** (Product #301763) reduced with hydrocarbon solvents. **Semi-Fluid Mold Release Compound** is a mineral oil based, non-melting grease. **Semi-Fluid Mold Release Compound** has the general benefits of the paste plus the added benefit of application ease.

**Mold Release Compound** (Product #301763) is in paste form and has excellent heat stability so that it does not slump or sag at temperatures up to 177°C (350°F). It can be exposed to temperatures up to 204°C (400°F) for short periods.

### *Product No. 301336*

# SEMI-FLUID MOLD RELEASE COMPOUND

## TYPICAL PROPERTIES

<b><u>Product No.</u></b>	<b><u>301336</u></b>
<b><u>Old Product No.</u></b>	<b><u>71950</u></b>
Apparent Viscosity (Brookfield), ASTM D2196 @ 25°C (77°F), cP	2800
Thickener Type	Organo-clay
Viscosity (Base Fluid), ASTM D445 @ 40°C, cSt	113
@ 100°C, cSt	11.8
Viscosity (Base Fluid), ASTM D2161 @ 100°F, SUS	592
@ 210°F, SUS	67.0
Diluent	Mineral Spirits
Flash Point (Base Fluid), ASTM D93, °C (°F)	43 (109)
Appearance	Semi-fluid
Color	Tan

**Caution** should be exercised when using mineral spirits. It is a flammable solvent and should be used in a well-ventilated area and keep away from flame or open fires. After applying **Semi-Fluid Mold Release Compound**, time should be allowed for evaporation of the solvents. Time required will be dependent on factors such as the applied film thickness, ambient temperature and air circulation.