

989



RELEASE COMPOUND

Description

Chesterton® 989 Release Compound is a highly effective, release agent containing no CFC's or organic solvents. Environmental responsibility and concern for worker safety need not mean a compromise on performance. Chesterton 989 Release Compound will give maximum release without sticking, spotting or marking.

Chesterton 989 is formulated for use in all mold applications operating at temperatures above 140°F (60°C).* These can range from sand core operations and investment casting to hard-to-release molding procedures with polyurethanes, rubber, filled thermoplastics and composites.

Chesterton 989 Release Compound will aid in the production of clean pieces with high gloss surfaces. It will give immediate release with no deformation. 989 will prevent sticking on straight sides or tearing of thin sections. Orange peel and blisters will be virtually eliminated.

Multiple releases are possible with one application of Chesterton's 989 from molds of aluminum, steel etc., cast, compression or injection. Production rates and return on investment are maximized as fewer applications are necessary.

* At temperatures below 140°F, product can be used, but evaporation rate of carrier will slow.

Composition

Chesterton 989 is formulated using a superior complexed, silicone release agent. Because of its purity, molds are kept cleaner and in service longer. The product will not oxidize or carbonize. Because the stripping cycle will be lengthened, production costs should be reduced.

Chesterton 989 has a higher percentage of active ingredient in each application than other release agents. Mold dimensions and details are accurately maintained as only a very thin coat of material is necessary for optimum performance.

Typical Physical Properties

Form	Liquid
Color	White
Appearance	Thin film
Wt./gal.	8.3 lbs/gal (1.0 kg/l)
Active ingredient	Complexed Silicone Release Agent

Chesterton 989 is an environmentally safe release agent. It is produced with no organic solvents, chlorofluorocarbons, or halogenated compounds. Regulations regarding environment damaging CFC's are accelerating along with concern for the health hazards associated with chlorinated solvents. For Mold Release applications, Chesterton 989 Release Compound is the solution to both problems.

Suggested Uses

Molding Methods

- Sand Core Operations
- Investment Casting
- Injection Molding
- Thermosets
- Thermoplastics
- Aluminum Diecasting
- Zinc Diecasting

Materials Molded

- Acrylic
- Cellulosic(s)
- Polystyrene
- Polyester
- Polyurethane
- Rubber

Features

- Superior Silicone Base
- No Organic Solvents, Freons (CFC's), or Halogenated Compounds
- Highly concentrated
- No mold build up

Benefits

- Enhanced worker safety
- Multiple releases
- Leaves molds cleaner
- Fewer rejects
- Environmentally safe
- Finer detail
- Faster cycling
- Easily applied

Directions

Chesterton® 989 Release Compound should be used as received.

New Molds

Remove all mold preserving compound, oil or wax using a suitable cleaner. New molds should be "seasoned" by applying a film of 989 Release Compound and rubbing into the mold surface.

Old Molds

Clean off all built-up release agents using a suitable cleaner. Carbon deposits should be removed using a fine abrasive rubbing compound.

Once in production apply 989 Release Compound as needed to maintain proper release and finish. Parts to be painted or bonded should be cleaned with a suitable detergent or solvent.

Clean Up

989 Release Compound may be cleaned from dispensing equipment, molding components, molds etc. by wiping surfaces with Chesterton 274 Industrial Degreaser, 261 Safety Solvent Cleaner or 801 Industrial & Marine Solvent. Consult your local Chesterton specialist for specific data.

Storage

It is recommended 989 Release Compound should be stored at temperatures between 10°C (50°F) and 49°C (120°F). Product will freeze. For best results bring 989 to room temperature prior to use.

Safety

Before using product, review the Material Safety Data Sheet (MSDS) or the appropriate safety sheet for your area.

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DISTRIBUTED BY:

860 Salem Street
Groveland, Massachusetts 01834 USA
Telephone: (781) 438-7000 • Fax: (978) 469-6528
www.chesterton.com

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