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**Description:** Prodag® is an aqueous-based graphite dispersion adapted for casting release in aluminum permanent mold applications. The highly refined semi-colloidal dispersion forms a smooth continuous film with extra-long wear life. Prodag® is a general purpose product within the industry and provides superior release, improved surface finish and good mold protection. Prodag® is smokeless, nontoxic and nonflammable, which provides an improved plant environment.

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**Physical Properties:**

Pigment	:	processed micro-graphite
Carrier	:	water
Consistency	:	paste
Diluent	:	water
Solids content	:	30%
Density	:	9.8 lb/gal (1.18 kg/l)
pH	:	9.5-11
Shelf life	:	one year from date of qualification under original seal

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**Method of Use:**

**Dilution**  
Prodag® is a concentrate and should normally be diluted before use, preferably with distilled, soft or demineralized water. The concentrate should be agitated prior to and during the slow addition of the diluent. A dilution ratio of one part Prodag® to four parts water is recommended for initial trial. Dilution ratios of 1:10 and higher are normal for production.

**Application**

Diluted Prodag® should be applied by conventional spray techniques for the most favorable results. Spray application ensures more uniform coating thickness, more complete coverage and lower friction values. For optimum film formation, the diluted dispersion should be spray applied to surfaces heated to at least 200°F (93°C) to facilitate speedy evaporation of the carrier. The formulation of Prodag® is such that a satisfactory film can be obtained by brush application. The diluted product should be stirred occasionally during use. If the diluted material stands overnight, or a comparable length of time, it should be re-agitated before use.

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**Companion Products:** Dag® 193 and 395, aqueous based refractory dispersions, are frequently used as base coatings for Prodag®. This combination provides a composite film having good thermal insulation properties together with excellent release.

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**Precautions:** Prodag®, ideally, should be stored in a cool place, but not allowed to freeze. Containers should be tightly re-sealed after use in order to prevent evaporation. Careful resealing after use will also prevent contamination.

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**Container Sizes:**

1 gallon (3.8 liter)  
5 gallon (18.9 liter)  
55 gallon (208 liter)

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**Note:**

Prodag® and Dag® are registered trademarks of Henkel

See separate Material Safety Data Sheet for health and safety details.

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Henkel  
32100 Stephenson Highway  
Madison Heights, MI 48071