PILOT® CHEMICAL COMPANY

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D-300 CONCENTRATE

PRODUCT DATA SHEET

PDS.815000.3.ACTIVE.04292026

PRODUCT DESCRIPTION

D-300 CONCENTRATE is a 50% aqueous solution of 4-sulfophthalic acid and 3-Sulfophthalic Acid containing small amounts of sulfuric acid.

COMMON CHEMICAL NAME

4-Sulfophthalic Acid Solution and 3-Sulfophthalic Acid

CAS #

89-08-7

TYPICAL PROPERTIES

Appearance (25 °C)	Hazy amber liquid, sediment is typical
Activity, wt. %	50.0
Sulfuric Acid, wt. %	< 2.25
Freeze Point	-4 °F (-20 °C)
Shelf Life	2 Years

APPLICATIONS

D-300 CONCENTRATE is the primary component of the preferred electrolyte to produce the "hard" anodic oxide coatings on aluminum and aluminum-based alloys. Such coatings, in addition to being highly abrasion resistant, are colored in metallic gray, brownish gray, black, bronzes, gold and dark brown colors, which are attractive for architectural and other uses of aluminum. The colors obtained with the D-300 CONCENTRATE process depend on the base metal composition, current density, voltage, film thickness, and electrolyte composition, particularly the sulfate and aluminum contents. It is necessary to control all these factors carefully to obtain a consistent color in the finished product.

STORAGE & HANDLING

Refer to the D-300 CONCENTRATE Safety Data Sheet (SDS) before handling. Avoid contact with eyes, skin, and clothing. Wear appropriate personal protective equipment and observe good industrial hygiene practices. Material is slippery on wet and hard surfaces. Store in acid resistant fiberglass reinforced plastic tanks or poly plastic drums. Contact container manufacture for recommendations. Recommended storage temperatures are 40-120 °F.

PACKAGING

D-300 CONCENTRATE is available in poly. drums and poly totes.

See additional product information at www.pilotchemical.com.

The information and suggestions given are drawn from data we believe to be reliable, but in all cases, the user should check and confirm the suggestions and results in his own use before proceeding further. None of the suggestions or recommendations constitute freedom from any patents that may be existent in the field or be issued.

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