



Product Bulletin

Product Name

STEPOSOL[®] DG

Chemical Description

STEPOSOL DG is a surfactant blend proprietary surfactants used in water-based cleaning and degreasing applications.

Chemical Name

Proprietary Cationic / Nonionic Blend

Applications

Functional Properties

- Used as a solvent replacement
- Used in water-based cleaning and degreasing formulations

End Product Uses

Cleaners and Degreasers for:

- Concrete Floors
- Engines
- Compressors
- Valves
- Highway Structures
- Motors
- Castings
- Vehicles

This product is not compatible with anionic surfactants.

Typical Properties

Appearance at 25°C.....	Clear liquid
pH, 1% aqueous	6.0
Viscosity at 25°C, cps	66
Density at 25°C, g/ml (lbs/U.S. gal).....	1.06 (8.86)
Actives, %	98 min.
Color, Gardner	7 max.
Color, APHA.....	488
Cloud Point, °C (°F)	1.0 (33.8)
Pour Point, °C (°F)	-24.0 (-11.2)
Freeze Point, °C (°F).....	-8.7 (16.3)
Melting Point, °C (°F)	-3.8 (25.1)
Boiling Point, °C (°F)	222 (432)
Flash Point, PMCC, °C (°F)	>94 (>201)
Refractive Index at 20°C	1.455
Surface Tension at CMC, dynes/cm	27.3
Critical Micelle Concentration, mg/L.....	200
Kauri-Butanol Value	43
Vapor Pressure at 20°C, mm Hg.....	<0.01
Evaporation Rate (Butyl Acetate = 1)	<0.01
VOC, CARB 310, %	23.7
Preservative	Not required
Solubility	
Water	Soluble
Methanol.....	Soluble
Kerosene	Insoluble
Xylene.....	Soluble

Storage & Handling

Normal safety precautions (i.e. gloves and safety goggles) should be employed when handling STEPOSOL DG. Contact with eye and skin should be avoided.

Jan. 2014
Supersedes:
Nov. 2012
Page 1 of 2

STEPOSOL[®] is a registered trademarks of Stepan Company.



Storage &
Handling

Standard Packaging: Available in 450 lb steel open head lined drums or bulk.

Workplace
Exposure

Bulk Storage Information: STEPOSOL DG can be stored in 316 stainless steel vessels, but carbon steel is adequate. Material should be stored between 50-90°F (10-32°C). Wash thoroughly after handling materials.

Clearances

Occupational exposure can occur primarily through skin contact or via inhalation of vapors and mists. Engineering controls, personal protective equipment, and other workplace practices should be used to control these exposures.

All components of STEPOSOL DG are listed in the following countries: United States (TSCA), Australia (AICS), Canada (NDSL), Korea (ECL) and China (IECSC).

Additional Safety
Information

A Material Safety Data Sheet is available upon request.

Product Stewardship

This product bulletin has been written in accordance with ACC's Product Stewardship guidelines.

Nothing contained herein grants or extends a license, express or implied, in connection with patents, issued or pending, of the manufacturer or others. The information contained herein is based on the manufacturer's own study and the works of others. The manufacturer makes no warranties, expressed or implied, as to the accuracy, completeness, or adequacy of the information contained herein. The manufacturer shall not be liable (regardless of fault) to the vendee's employees, or anyone for any direct, special or consequential damages arising out of or in connection with the accuracy, completeness, adequacy or furnishing of such information.

Stepan

Jan. 2014
Supersedes:
Nov. 2012
Page 2 of 2

Corporate Headquarters
Northfield, Illinois 60093, U.S.A.
847-446-7500 847-501-2100 fax
Website: www.stepan.com

For Technical Service Call: Northfield, IL USA 800-745-7837
Longford Mills, Canada 705-326-7329 • Mexico City, Mexico +52-555-533-1697
Voreppe, France +33-476-505-100 • Bogota, Colombia +57-1-6362808
Stalybridge, United Kingdom +44-141-338-9083
Manila, Philippines +632-891-1708

