



Cola®Det DEF-100

DEA-Free All Purpose Detergent Concentrate

DEA-FREE
MEA-FREE

DESCRIPTION Anionic Amido Complex

CAS NUMBER Proprietary

LISTINGS USA (TSCA); EU (REACH); Canada (DSL); China (IECSC); Australia (AICS)

Cola®Det DEF-100 is a DEA-free, MEA-free anionic all-purpose detergent concentrate that can be easily modified to produce a wide range of low cost high performance products for household and industrial use. Cola®Det DEF-100 is a biodegradable surfactant concentrate that offers maximum cleaning efficiency and excellent physical properties. It is 100% active content, clear and with a low freeze point.

APPLICATIONS

- Dishwashing
- Laundry detergents
- Pot and pan scrubs
- Dairy cleaners
- Metal cleaning
- Textiles
- Automobile and truck washing
- Aircraft cleaners
- Specialty building maintenance cleaning compounds



TYPICAL PROPERTIES

Appearance	Clear Yellow Liquid
pH, as is	8.0
Viscosity	3000
Color, Gardner '98	4 Max.
Freeze/Thaw Stability	Clear after 3 cycles

FOAM STABILITY IN USE

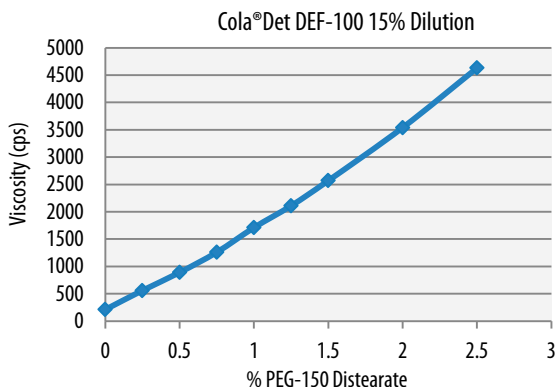
ASTM D-4009 (Foam Stability of Hand Dishwashing Detergents): A dishwashing detergent was prepared by diluting Cola®Det DEF-100 to 10% solids. The ASTM test uses 0.10% of the detergent. For the purpose of this evaluation, "Soil B" was used per the standard.

Dishes washed – 3.5

PERFORMANCE AT VARIOUS DILUTIONS

Ingredient	20%	15%	10%
Cola®Det DEF-100	20	15	10
Water	80	85	90
Property	20%	15%	10%
% Solids	16.7	12.5	8.3
Viscosity	550	210	30
Ross Miles (0.1%)	20%	15%	10%
Initial	145	135	90
1 min	130	125	85
5 min	125	115	80

VISCOSITY DEVELOPMENT



FORMULATION

6X Concentrated Laundry Detergent

INGREDIENT	%
1 Water	qs to 100.00
2 Cola®Det DEF-100	40.0
3 Sodium Citrate	10.0
4 Cola®Trobe INC	6.54

Typical Properties:

Appearance: Clear Liquid pH: 8.5

Viscosity: 90 cps

FORMULATION

Pot and Pan Detergent

INGREDIENT	%
1 Water	qs to 100.00
2 Cola®Det DEF-100	20.0
3 Na ₄ EDTA	1.0
4 Citric Acid	qs to pH 7-8

Typical Properties:

Appearance: Clear Liquid pH: 7.4

Viscosity: 200 cps



STORAGE AND HANDLING

Cola®Det DEF-100 should be stored in closed containers. Shelf life is 12 months from date of manufacture. A Safety Data Sheet is available at www.colonialchem.com.

PACKAGING

Cola®Det DEF-100 is shipped in poly 55-gal drums, net weight 450 lbs (204.1 kg).



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Innovative Speciality Surfactants

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