

Technical Data Sheet

Cola® Det DEF-45



CHEMICAL NAME LISTINGS Proprietary
TSCA (USA), DSL (Canada), ECL (Korea)

DESCRIPTION

Cola® Det DEF-45 is a DEA-free citrus oil emulsifier designed to yield micro-emulsions of non-polar solvents. A wide range of hard surface cleaners, waterless hand cleaners, and degreasers can be formulated with this product. It is most effective in blends containing d-limonene, terpenes, naphthenic pine oils and Exxate type solvents. Appropriate blends of these oils can produce highly synergistic cleaners.

FEATURES

- Low order of irritation and toxicity potential
- Highly surface active for enhanced wetting, strike and rinseability
- Easily formulated into a wide range of solvents
- Can yield blooming or non-blooming dilutions
- DEA-free, MEA-free
- No solvents needed

APPLICATIONS

- Cleaners containing d-limonene or other citrus oils
 - Hard surface cleaners
 - Waterless hand cleaners
 - Degreasers
 - Grill cleaners

TYPICAL PROPERTIES

Appearance @ 25°C	Clear Liquid
Alkali value	50 Max.
Acid value	10 Max.
pH, 10% aqueous	8.5 – 10.5
Color, Gardner '98	5 Max.

FORMULATION

Ingredients	%
d-limonene	18.6
Cola® Det DEF-45	16.4
Water	65.0

When blended in order, this gives a clear solution. This solution blooms when poured into water.

STORAGE AND HANDLING

Cola® Det DEF-45 should be stored in closed containers. Frozen material may be thawed in a warm room, venting drums while warming. Shelf life is 12 months from date of manufacture. A Safety Data Sheet is available upon request.

PACKAGING

Cola® Det DEF-45 is shipped in 55 gal. poly drums or totes.

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