

# Technical Data Sheet

## MICRO-CLEEN™ 12-7

### Non-Ionic Surfactant

#### Product Data and Test Information

##### PRODUCT NAME

MICRO-CLEEN™ 12-7  
Low Foaming Ethoxylated Mercaptan  
Non-Ionic Sufactant

##### MANUFACTURER

Chemical Products Industries, Inc.  
7649 SW 34<sup>th</sup> St., Oklahoma City, Ok 73179  
(800) 624-4356 (405) 745-2070

##### PRODUCT DESCRIPTION

MICRO-CLEEN™ 12-7 is an ethoxylated mercaptan, low-foaming, nonionic surface active degreaser additive. MICRO-CLEEN™ 12-7 is used to formulate high efficiency hard surface cleaning products. MICRO-CLEEN™ 12-7 is a drop in replacement for the Rhodia Alcodet series.

##### APPLICATIONS

- Hard surface cleaning especially metal surfaces
- Electronic cleaning applications
- Used as a laundry pre-cleaner for heavy duty commercial applications

##### ADVANTAGES

- Offers exceptional wetting
- Works over a broad Ph range
- Works over a broad temperature range
- Low odor
- Low foaming
- Low cloud point, <20° C
- Excellent emulsifier
- Blends well with quick-split nonionic surfactants i.e. AQUA-CLEEN®
- Couples well with most anionic surfactant

MICRO-CLEEN™ 12-7 has physical and chemical characteristics much different than AQUA-CLEEN®, another proprietary surfactant

manufactured by Chemical Products Industries, Inc.

The unique properties of both AQUA-CLEEN® and MICRO-CLEEN™ 12-7 are exhibited in blends of these products.

##### TECHNICAL DATA

Color	clear to slightly yellow liquid
Odor	slight non-descript
Active substance	ethoxylated mercaptan
Active content	99%
Ph	6-7 @ 5%
Density	8.75#/gal.

##### DIFFERENCES

MICRO-CLEEN™ 12-7 vs. AQUA-CLEEN®

##### MICRO-CLEEN™ 12-7

HLB:	11
Cloud Point, 1% in sol:	<20° c (68°F)
Foam half life, 1% sol, t ½:	<10 seconds
Emulsion Type:	Micro Emulsions
Solvation:	Oil Friendly
% Active	99+%

##### AQUA-CLEEN®

HLB:	13.5
Cloud Point, 1% in sol:	63-79° c (145-175°F)
Foam half life, 1% sol, t ½:	150 seconds
Emulsion Type:	Macro Emulsions
Solvation:	Water Friendly
% Active	85-90

##### TECHNICAL SERVICE

Technical service engineers and chemists are available to answer questions on product performance, application methods and chemical composition.