



Colonial 1360

CTFA/INCI NAME: TEA – Dodecylbenzene Sulfonate
CAS # 27323-41-7; EINECS 221-415-5

DESCRIPTION

Colonial 1360 is a 60% active aqueous solution of biodegradable triethanolamine linear alkylate sulfonate. **Colonial 1360** is produced to yield a high purity product.

Colonial 1360 exhibits excellent wetting, foaming, and detergent properties. **Colonial 1360** is used in formulations for degreasers and hard surface cleaners.

Colonial 1360 has excellent emulsification properties, lubricity and hard water tolerance.

TYPICAL PROPERTIES

Appearance:	Clear yellow fluid
Actives, % (MW 466):	60.0
pH, 1% aqueous:	7.13
Color, % T @ 420 nm:	73
Cloud Point (as is), °C:	-8
Flash Point (PMCC), °C:	>94
Pour Point, °C:	-9
Freeze Point, °C:	-12
Boiling Point, °C (°F):	>93 (>200)
Viscosity, cps @ 25°C:	300
Odor:	Mild
Density, g/ml (lbs/U.S. gal):	1.079 (9.0)
RVOC, U.S. EPA, %:	0

BIODEGRADABILITY

Product is biodegradable.

TOXICITY

Colonial 1360 is slightly toxic orally ($LD_{50} = 1653$ mg/kg) and causes slight skin and moderate eye irritation.

STORAGE & HANDLING

Normal safety precautions (i.e. gloves and safety goggles) should be employed when handling **Colonial 1360**. Contact with the eyes and prolonged contact with the skin should be avoided. Wash thoroughly after handling material.

It is recommended that **Colonial 1360** be stored in sealed containers and kept at temperatures between 40°F (4°C) and 110°F (43.3°C). Avoid overheating or freezing. If material is frozen, mild heat and agitation are recommended to ensure the material is homogeneous before use.

Bulk Storage Information: Tanks made of 316 stainless steel or fiberglass with an Atlac 382 corrosion liner are recommended. Gear pumps and piping should be 316 stainless steel. Recommended storage for bulk tanks is 90-100°F (32-38°C).

Standard Packaging: **Colonial 1360** is available in bulk and 55-gallon drums (net weight 450 lb/204 kg).

CLEARANCES

All components of **Colonial 1360** are listed in the following countries; the registration numbers for the active ingredients are included in parentheses: Europe (248-406-9), Japan (ENCS 3-1884), Canada (DSL 27323-41-7) and Australia (AICS 27323-41-7).

LAST UPDATED 01/22/2007

WARRANTY

Colonial Chemical guarantees that its products meet published specifications. No other warranties or guarantees are expressed or implied because the use of this material is beyond the control of Colonial Chemical.

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