

Yangzhou Sunchem Co.,Ltd.

Material Safety Data Sheet

C12-14 Alcohol

SALES SPECIFICATIONS

Property Specifications Test Method*

Appearance at 25°C Not more than a trace of turbidity ST-30.1

Cloud point, 1% aqueous, °C 32 - 36 ST-9.1, 5.2.1

Color, Pt-Co 100 max. ST-30.12

pH, 1% solution 5.0 - 7.5 ST-31.36,C

Water, wt% 0.5 max. ST-31.53,5

*Methods of Test are available from Huntsman Corporation upon request.

TYPICAL PROPERTIES

Regulatory Information Performance Properties

DOT/TDG Classification Not Regulated Draves Wetting Time, seconds

OSHA Classification Hazardous 0.1% solution at 25°C

HMIS Code 1-1-0 1.5 gram hook 13.7

CAS Number 68409-59-6 3.0 gram hook 7.2

TSCA Inventory Yes Foam height, mm, Ross-Miles test

WHMIS Classification D2B 0.1% solution at 120°F

Canadian DSL Yes initial 6.0

5 minutes 0.0

Physical Properties Surface tension, dynes/cm,

Flash point, COC, °F/°C 295/146 25°C, 0.1% solution 33.0

Pour point, °F/°C 10/-12 25°C, 0.001% solution 38.4

Density, g/ml at 25°C (77°F) 0.9980

Weight, lbs/US gal at 25°C (77°F) 8.30

Viscosity, kinematic

cst at 15.6°C (60°F) 156

cst at 25°C (77°F) 96

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TOXICITY AND SAFETY

For information on the toxicity and safe handling of this product, please read the Material Safety Data Sheet prior to use of the product.

HANDLING AND STORAGE

SURFONIC LF-17 may be satisfactorily stored in carbon steel tanks using steel pipes and pumps. Caution must be exercised, however, to keep the material in the anhydrous state to prevent severe corrosion to the carbon steel tank and related equipment. A drier on the breathing nozzle is recommended to help maintain anhydrous conditions in the storage tank.

For longer term color stability, it is recommended that the product be stored under an inert atmosphere. Solid sediment may form upon standing. There should be circulation in the storage vessel to keep solids suspended.

Low pressure steam coils in storage tanks and steam tracing of transfer lines should be provided in cases where low environmental temperatures may make pumping of the product difficult.

SHIPPING DATA

Product is available in tank cars, tank trucks and drums of 440 pounds (199 kilograms) net weight. Small samples are available upon request.

BIODEGRADABILITY AND ENVIRONMENTAL SAFETY

The SURFONIC LF-series products are considered to be biodegradable; however, the rate of biodegradation is retarded because of the polyoxypropylene chain in the products. Removal of organic carbon reached 40% after 71-85 days in a laboratory activated sludge study.

The SURFONIC LF surfactants are expected to exhibit aquatic toxicity similar to or less than that of alcohol ethoxylates. Study of a low foam surfactant similar to SURFONIC? LF-17 (POLY-TERGENT? SLF-18) shows it to be much less toxic to aquatic life than alcohol ethoxylates (water flea, LC50, 72 ppm; fathead minnow, LC50, 13 ppm).