

Technical Bulletin**TERMUL[®] 3540 Surfactant****PRODUCT DESCRIPTION**

TERMUL[®] 3540 surfactant is the 40-mole ethoxylate of castor oil.

APPLICATIONS

- Excellent emulsifier/dispersing agent for agricultural applications

SALES SPECIFICATIONS

<u>Property</u>	<u>Specifications</u>	<u>Test Method*</u>
Appearance at 25°C	Yellow viscous semi-solid	ST-30.1
Acid Value, mg KOH/g	1 max.	ST-31.46, I
Color, Gardner	6 max.	ST-30.13
pH, 1% in DI water	7.0 – 9.0	ST-31.36, C
Corrected, mg KOH/g		
Saponification number	57 – 63	ST-31.64
Corrected, mg KOH/g		
Water, wt%	0.6 max.	ST-31.53

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

TYPICAL PROPERTIES**Chemical Properties**

Water Solubility Soluble

Regulatory Information

DOT/TDG Classification Not regulated
HMIS Code 0-1-0
CAS Number 61791-12-6
TSCA Inventory Yes
Canadian DSL Yes

Physical Properties

Flash point, PMCC, °F >302
Flash point, PMCC, °C >150
Melt/freeze point, °F 61
Melt/freeze point, °C 16
Density, g/mL at 20°C (68°F) 1.06
Weight, lbs/US gal at 25°C (77°F) 8.82
Viscosity, kinematic
cSt at 40°C (104°F) 255

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

TERMUL[®] 3540 surfactant may be satisfactorily stored in carbon steel tanks using steel pipes and pumps although 304 or 316 stainless steel is recommended. If carbon steel is used, caution must be exercised 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.

SHIPPING DATA

Product is available in tank cars, tank trucks and poly drums of 460 pounds (209 kilograms) net weight. Small samples are available by contacting our sample department at 1-800-662-0924.

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