

Technical Bulletin

TERMUL[®] 3115 Surfactant

PRODUCT DESCRIPTION

TERMUL[®] 3115 surfactant is an alkoxyated tristyryl phenol derivative.

APPLICATIONS

- Excellent emulsifier/dispersing agent for agricultural applications

SALES SPECIFICATIONS

<u>Property</u>	<u>Specifications</u>	<u>Test Method*</u>
pH, 5% aqueous (DI water)	5.0 - 7.0	ST-31.36, C
Water, wt%	0.5 max.	ST-31.53

*Methods of Test are available upon request.

TYPICAL PROPERTIES

Chemical Properties

Water Solubility Soluble

Regulatory Information

DOT/TDG Classification Not regulated
 HMIS Code 1-1-0
 CAS Number 70880-56-7
 Alternate CAS Number 132580-45-1
 EPA 40 CFR 180.960
 TSCA Inventory Yes
 Canadian DSL Yes

Physical Properties

Flash point, PMCC, °F 370
 Flash point, PMCC, °C 188
 Melt/freeze point, °F 41
 Melt/freeze point, °C 5
 Density, g/mL at 20°C (68°F) 1.09
 Weight, lbs/US gal at 25°C (77°F) 9.13
 Viscosity, kinematic
 cSt at 40°C (104°F) 343



TOXICITY AND SAFETY

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

HANDLING AND STORAGE

TERMUL[®] 3115 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 drums of 490 pounds (222 kilograms) net weight. Small samples can be obtained by contacting any Indorama Ventures sales office.

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