

Product Data Sheet

TERMUL[®] 1284 Emulsifier

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DESCRIPTION

Polyoxyethylene fatty glyceride.

SPECIFICATION

Appearance @ 25°C	Yellow viscous semi-solid
Colour, Gardner	5 max
pH, 1% aqueous solution	7.0 - 9.0
Water, %w/w	0.5 max
Hydroxyl value, mgKOH/g	60 - 75
Saponification value, mgKOH/g	60 - 70
Acid value, mgKOH/g	1.0 max

TYPICAL PROPERTIES

Specific gravity @ 25°C	1.05
Flash point, °C	> 150
HLB	12.6
Pour point, °C	20
Cloud point, 1% aqueous solution, °C	67 – 69

SOLUTION PROPERTIES

	1.0%	0.1%	0.01%	
Surface Tension	41.4	42.0	46.4	mN/m
Tape Wetting	31	66	217	sec
Foam Height, initial	11.9	5.7	2.5	cm
Foam Height, final	11.2	3.7	1.4	cm

Measurements were made at 20°C

SOLUBILITY

TERMUL[®] 1284 emulsifier is soluble in water, ethanol, toluene and other aromatics. It is also soluble in vegetable oils above 50°C. It is insoluble in most aliphatic solvents, mineral oils and most chlorinated solvents.



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Huntsman Corporation Australia Pty Ltd
61 Market Road, Brooklyn, Victoria, 3012, Australia
A.C.N. 083 984 187

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USES

TERMUL[®] 1284 emulsifier finds use in the pharmaceutical and cosmetics industry as a solubiliser for essential oils, vitamins and fragrances, and as an emulsifier. It has also found use as an agricultural emulsifier and in the formulation of microemulsions.

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