



Product Specification

Product Name: TWEEN® 80 LR

Alternate Name(s) Polysorbate 80; Polyoxyethylene sorbitan mono-oleate.

Description

Clear, yellow liquid.

Properties

Chemical Formula:

Molecular Weight:

Product Code: TL038

CAS No. 9005-65-6

General Information:

Polysorbate 80 is a mixture of partial esters of various fatty acids, mainly oleic acid, and sorbitol and its anhydrides copolymerised with approx. 20 moles of ethylene oxide for each mole of sorbitol and sorbitol anhydrides.

Quality Specification

Assay:

Specific Properties and Impurities [Typical levels]:

Appearance at 25°C	Clear yellow liquid
Viscosity (U tube) at 25°C	300.0 - 500.0 cSt
Specific gravity at 25°C	1.060 - 1.090
Water content	≤ 3.0%
Saponification value	45.0 - 55.0 mgKOH/g
Heavy metals	≤ 0.001%
Residual ethylene oxide	≤ 0.0010%
Residual 1,4 Dioxane	≤ 0.0010%
Peroxide value	≤ 10.0 meqO ₂ /kg
Hydroxyl value	65-80 mgKOH/g
Acid value	≤ 2.0 mgKOH/g

Hazard and Safety Data

UN Group:	None Allocated
Class:	None Allocated
UN Number:	None Allocated
Hazchem code:	None Allocated
CS MSDS Code:	N/A
Poison schedule:	Not Scheduled
Emergency Procedure Guide No.:	N/A

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