

Span™ 80

Sorbitan ester

Span™ 80 is a biodegradable surfactant based on a natural fatty acid (oleic acid) and the sugar alcohol sorbitol. This sorbitan ester is highly effective at forming oil in water emulsions, particularly when used in combination with its polyethoxylated derivative, Tween™ 80.

Physical Properties

Typical values (this is not a sales specification)

Test	Typical Value	Units
HLB	4.3	-
Form	Liquid	-
Acid value	4	mg KOH/g
Hydroxyl value	201.5	mg KOH/g
Saponification value	152.5	mg KOH/g
Water content	0.75	%w/w

For sales specification please contact your local sales representative.

Applications

- Construction chemicals
- Emulsion and dispersion technology
- Ink additives for ceramic tiles
- Surfactants and chemical intermediates
- Technical and industrial fibre chemicals

Functions

- Low HLB surfactant
- Water in oil emulsifier
- Co-emulsifier
- Wetting agent for powders in oil
- Antifoam
- Biodegradable

Non-warranty

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Europe United Kingdom Email: crodaindustrialchemicals@croda.com

Americas USA Email: crodaindustrialchemicals@croda.com

Asia Pacific Singapore Email: crodaindustrialchemicals@croda.com

www.crodaindustrialchemicals.com

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