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Technical Data Sheet

Glycerol Mono Stearate – AS /Glycerol Mono Stearate (Acid Stable)

Product Identification

Product Name : Glycerol Mono Stearate – AS /Glycerol Mono Stearate (Acid Stable)
Chemical Name : Glycerol Mono Stearate – Acid Stable
Synonyms : Glycerol Monostearate, GMS Acid Stable, Glyceryl Monostearate Acid Stable, Glyceryl Stearate Acid Stable, Monostearin Acid Stable, GMS AS, E471 Acid Stable, Self-Emulsifying GMS, Acid Resistant GMS.
CAS No : 31566-31-1/123-94-7

Product Description

Glycerol Mono Stearate – AS is a high-performance non-ionic emulsifier and stabilizing agent widely used in food, pharmaceutical, cosmetic, textile, and industrial applications. It provides excellent emulsification, thickening, anti-caking, and dispersion properties while maintaining stability in acidic formulations. This product improves texture, consistency, shelf life, and processing efficiency in various formulations and is especially suitable for acidic systems where standard GMS may lose stability.

Specifications

Parameters	Specification
Appearance	Solid Waxy Flakes
Colour	White to snow white
Iodine Value, cc/100gm	5 max.
Free Glycerin %	8 max.
PH of 5% suspension in water	4 max.
Melting point, °C	54 – 63
HLB Value	4.5
Solubility	In warm water, emulsion form soluble, Alcohol, Acetone etc.

Applications:

Emulsifier, Opacifier & Bodying agent. Used in creams, lotions, anti -perspirants, haircare products and sun screens in acidic nature.

Storage & Handling

No specific storage precautions noted. The usual precautions for handling chemicals should be observed

Packing : 25 kg HDPE Bags.

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