Technical Data Sheet

Product Info	
Trade Name	**Stearic Acid**
Overview	Stearic acid is mainly used in the production of detergents, soaps, and cosmetics such as shampoos and shaving cream products. Soaps are not made directly from stearic acid, but indirectly by saponification of triglycerides consisting of stearic acid esters. Esters of stearic acid with ethylene glycol, glycol stearate, and glycol distearate are used to produce a pearly effect in shampoos, soaps, and other cosmetic products. They are added to the product in molten form and allowed to crystallize under controlled conditions. Detergents are obtained from amides and quaternary alkylammonium derivatives of stearic acid.
Chemical Name	Stearic acid
Chemical formula	$CH_3(CH_2)_{16}COOH$
Synonyms	Octadecanoic acid 57-11-4 Stearophanic acid n-Octadecanoic acid
Molecular Weight	284.5 g/mol
Cas No.	57-11-4

Specifications	
Appearance:	Super White, Beads / Flakes
Acid Value:	205 – 211
Saponification Value:	206 – 211
Iodine Value:	0.5 Max
Color	0.5 / 5 Max.
Titre, Deg C:	54 – 57
	% C12 Luaric Acid: 1 Max
	% C14:0 Myristic Acid: 2 Max.

% C16:0 Palmitic	Acid: 49 – 58
% C18:0 Stearic	Acid: 40 – 48
% C18:1 Oleic	Acid: 1 Max.

Packaging Info	
Packaging	25kg Polypropylene bag
Storage	Keep stored in cool and dry place away from sun rays
Shelf Life	1 year

Other Info	
Applications	For industrial application in the manufacturing of Pharmaceutical and Cosmetic, PVC compounding, Tyre, Rubber Products, Resins, Emulsion Polymer, Stabilizers, Candle, Lubricants, Grease, Coatings, food packaging and etc
Details	For more details, please contact us by phone (+982143413000) or by email (info@psgharb.com)