

Technical Data Sheet

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Item Name:

STEARIC

PRODUCT INFORMATION

Chinese Name:	硬脂酸
Commodity Name:	STEARIC
Chemical Name:	Stearic Acid
Other Name:	Octadecan Acid, Cetylacetic Acid
CAS No.:	57-11-4
Molecular Weight:	284.48
Molecular Formula:	$C_{18}H_{36}O_2$

PRODUCT DESCRIPTION

It is white crystalline block or white to milky white powder without obvious mechanical impurities. Insoluble in water, slightly soluble in ethanol.

TECHNICAL SPECIFICATION

Index	Standard
Appearance	White to milky white powder
Iodine value gI2/100g	1.0
Saponification value by wt %	207 - 212
Acid valu by mgKOH/g	206 - 211
Chroma	160
Freezing point by °C	54 - 57
Moisture by wt %	0.2

MAIN APPLICATION

1. It can be used as heat stabilizer and lubricant in the plastic industry.
2. It can be used as a vulcanization activator, softener, dispersant in the rubber industry.
3. In textile industry, it can be used as dispersant, softener, water repellent, penetrant, anti-friction agent, defoamer, etc.
4. It can be used as an emulsifier, softener, gloss agent, etc. in the cosmetic industry.
5. In the food industry, it can be used as emulsifier, dispersant, quality improver, etc.
6. It can be used as sizing agent, softener, etc. in the papermaking industry.
7. It can also be used as a brightener for metal polishing; it can also be used as a raw material for the production of candles, calcium carbonate and grease.

PACKING AND SHELF LIFE

Packing: 25kg PP Bag with PE Liner

Shelf Life: 24 months when stored in cool, dry and ventilated warehouse, away from incompatible materials.

DISCLAIMER

The information provided in this data sheets is for informational purposes only is considered reliable, but Rawchem doesn't guarantee how any other products associated with this information will behave in combination with variables to other matters. It's recommended to make adaptations to local working conditions and to the raw material to be used.