

Product Data Sheet

Stearic Acid - Industrial / Rubber Grade

Description

Description	Stearic Acid is a saturated long-chain fatty acid (predominantly stearic and palmitic acid) derived from vegetable or animal fats. This industrial/rubber grade is widely used as a processing aid, activator and lubricant across rubber compounding, plastics, soap, cosmetics and candle manufacturing.
Applications	Rubber compounding – vulcanisation activator and processing aid PVC and plastics processing – internal/external lubricant and stabiliser component Soap, candle and cosmetics manufacturing Textile softener and finishing formulations
Grade	Industrial / Rubber Grade, Min. 90% (Stearic + Palmitic)
CAS No.	57-11-4

Key Benefits

1. Effective vulcanisation activator improving rubber cure efficiency
2. Good lubricating and release properties in plastics processing
3. Consistent titer and acid value supporting reliable formulation performance
4. Widely compatible across rubber, plastics, soap and cosmetics applications
5. Stable, easy-to-handle solid form (flakes/beads/powder)

Chemical Analysis & Physical Data

Typical Specification

Parameter	Unit	Specification
Stearic + Palmitic Acid Content	wt%	Min. 90.0
Acid Value	mg KOH/g	200 – 208
Iodine Value	g I ₂ /100g	Max. 2.0
Saponification Value	mg KOH/g	200 – 210
Titer (Solidification Point)	°C	54 – 58
Moisture	wt%	Max. 0.5
Appearance	–	White waxy solid (flakes/beads/powder)

Packaging

Packaging 25 kg Kraft Paper Bags / HDPE Bags
500 kg / 1,000 kg Jumbo Bags (FIBC)
Custom packaging available on request.

Storage & Handling

1. Store in a cool, dry, well-ventilated area away from direct sunlight
2. Keep bags sealed to prevent moisture absorption and contamination
3. Avoid storage near strong oxidising agents
4. Stack on pallets away from direct ground contact
5. Product is a combustible solid – keep away from open flame and ignition sources

Quality Assurance

1. Every batch is tested against the specification above before dispatch

2. A batch-specific Certificate of Analysis (COA) accompanies each shipment, reporting acid value, titer and iodine value against this TDS
3. COA available on request prior to shipment for buyer pre-approval
4. Third-party inspection (SGS/Intertek) can be arranged on request for regulated-market shipments

Disclaimer: The information provided in this document is based on our current knowledge and is intended as a general guide. Ochnology Solution Pvt. Ltd. reserves the right to modify specifications without prior notice. Buyers are advised to conduct their own testing for specific applications. A batch-specific Certificate of Analysis (COA) is available on request for each shipment.