



Oleo Misr for Oleochemicals S.A.E
أوليو مصر للأوليوكيماويات ش.م.م

Technical Data Sheet

Product Name: Stearic Acid Tripple Pressed (35:41-1)

Product Description:

Stearic Acid Triple Pressed is white beads or flakes composed of primarily stearic acid, a saturated long chain fatty acid derived from vegetable oils. It has a polar head group that can interact with metal cations and a nonpolar chain that can be solubilized in organic solvents, this bifunctionality leads to its widespread use as a surfactant and softening agent in many applications.

Applications:

Stearic Acid Triple Pressed is used as a surface modifying agent in chemical manufacture and can be used in the production of batteries, cosmetics, pharmaceuticals, stabilizers, soaps, candles, coatings, detergents and rubbers beside its metal salts can be used in lubricants.

Chemical formula: $C_{18}H_{36}O_2$

CAS No.: 57-11-4

Specifications:

Parameters (units)	Specifications
Appearance	White / flakes
Acid value (mg KOH / g)	206 – 213
Iodine value I2/100 gm. s	1 max
Titer (°C)	54 – 56
Color, Lovibond 5 1/4"	≤ 0.3 R / 3.0 Y
Saponification value (mg KOH / g)	207 – 214
Total heavy metals as (pb) ppm	≤ 20
C-12: Lauric acid (%)	1 max
C-14: Myristic acid (%)	1 max
C-16: Palmitic acid (%)	57 – 65
C-18: Stearic acid (%)	35 – 41
Others (%)	1 max

Packaging: Material is available in 25 kg paper bags.

Storage: Product should be stored in a dry place away from direct sunlight in sealed, original packaging. Avoid extreme heat and cold.

Safety: For further information refer to product SDS available from Oleo Misr.

Plant: 36-37 Fifth Industrial Zone, Sadat City, Menofia, Egypt
Tel.: +20482657094/5 **C.R.:** 4148
HQ: 27 Ahmed Al-Shatory St. Dokki, Giza, Egypt
Tel: +202 37616133 **Fax.:** +2023616665
Email : info@oleomisr.com
Website: www.oleomisr.com

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Technical Data Sheet

Product Name: Stearic Acid Tripple Pressed (35:41-3)

Product Description:

Stearic Acid Triple Pressed is white beads or flakes composed of primarily stearic acid, a saturated long chain fatty acid derived from vegetable oils. It has a polar head group that can interact with metal cations and a nonpolar chain that can be solubilized in organic solvents, this bifunctionality leads to its widespread use as a surfactant and softening agent in many applications.

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Chemical formula: C₁₈H₃₆O₂

CAS No.: 57-11-4

Specifications:

Parameters (units)	Specifications
Appearance	White / flakes
Acid value (mg KOH / g)	206 – 213
Iodine value I ₂ /100 gm. s	3 max
Titer (°C)	54 – 56
Color, Lovibond 5 1/4"	≤ 0.3 R / 3.0 Y
Saponification value (mg KOH / g)	207 – 214
Total heavy metals as (pb) ppm	≤ 20
C-12: Lauric acid (%)	1 max
C-14: Myristic acid (%)	1 max
C-16: Palmitic acid (%)	57 – 65
C-18: Stearic acid (%)	35 – 41
Others (%)	1 max

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Technical Data Sheet

Product Name: Stearic Acid Tripple Pressed (42:48-1)

Product Description:

Stearic Acid Triple Pressed is white beads or flakes composed of primarily stearic acid, a saturated long chain fatty acid derived from vegetable oils. It has a polar head group that can interact with metal cations and a nonpolar chain that can be solubilized in organic solvents, this bifunctionality leads to its widespread use as a surfactant and softening agent in many applications.

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Chemical formula: $C_{18}H_{36}O_2$

CAS No.: 57-11-4

Specifications:

Parameters (units)	Specifications
Appearance	White / flakes
Acid value (mg KOH / g)	205.0 – 212.0
Iodine value I2/100 gm. s	1 max
Titer (°C)	54.0 – 57.0
Color, Lovibond 5 1/4"	≤ 0.3 R / 3.0 Y
Saponification value (mg KOH / g)	206.0 – 213.0
Total heavy metals as (pb) ppm	≤ 20
C-12: Lauric acid (%)	1 max
C-14: Myristic acid (%)	1 max
C-16: Palmitic acid (%)	45 – 50
C-18: Stearic acid (%)	42 – 48
Others (%)	1 max

Packaging: Material is available in 25 kg paper bags.

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Technical Data Sheet

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