12-Hydroxystearic Acid

CAS Number: 106-14-9
Chemical Formula: $C_{18}H_{36}O_3$

PRODUCT DESCRIPTION

12-Hydroxystearic Acid is a hydroxyl-functional fatty acid supplied as white to cream flakes, powder, or granules. It combines carboxylic acid and hydroxyl functionality and is suitable for use as a raw material across lubricant, grease, coatings, and specialty chemical applications.

KEY FEATURES

- High acid value
- High hydroxyl value
- Controlled iodine value
- Consistent melting characteristics
- Available as flakes, powder, or granules
- Suitable for a range of industrial formulations

APPLICATIONS

- Lubricating grease manufacture
- Lithium and calcium-based greases
- Specialty lubricants
- Coatings and resins
- Chemical intermediates
- Wax and polishing formulations
- Specialty chemical formulations

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PLEASE READ CAREFULLY.

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This document is subject to revision without notice as new data becomes available.

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PRODUCT SPECIFICATIONS

Parameter	Specification
Appearance	White to cream flakes/powder/ granules
Clarity on Melting	Clear, free from suspended matter
Color (Gardner Scale)	≤ 5.0
Acid Value	≥ 175 mg KOH/g
Melting Point	≥ 74°C
Iodine Value (Wijs Method)	≤ 4.0 g I_2/100 g
Saponification Value	180–190 mg KOH/g
Hydroxyl Value	≥ 155
MIV	≤ 1.0%

PACKAGING
Available in 25 kg or 50 lb bags.

STORAGE & HANDLING
Store in a cool, dry, and well-ventilated area. Keep containers securely closed and protect from moisture and excessive heat.

SAFETY
Store in a cool, dry, and well-ventilated area. Keep containers securely closed and protect from moisture and excessive heat.