

12 HSA

Technical Datasheet

Product Information: 12 HSA Acid is the mixed fatty acid obtained by hydrolysis of Hydrogenated Castor Oil. It is a non-toxic, non-hazardous material. It is insoluble in water.

Chemical Name	12 - HYDROXY STEARIC ACID		
Grade Name	12 HSA		
CAS No.	106-14-9		
EINECS No.	203-366-1		
Molecular Formula	C18H36O3		
Synonyms	<ul style="list-style-type: none"> • 12-HYDROXY OCTADECANOIC ACID • DL-12-HYDROXYOCTADECANOIC ACID • DI-12-Hydroxystearic Acid 		
TEST	SPECIFICATION		METHOD
Appearance	Colour: White to cream Form: Flake / Fine powder		Visual
Melting Range	70 - 77 °C		Melting point apparatus (capillary tube method)
Acid Value	180 - 183 (mg KOH/g) Min.		Titration
Hydroxyl Value	160 - 165 (mg KOH/g) Min.		Titration
Iodine Value	3 (GI2 /100 gm) Max.		Iodometer
Saponification Value	180 - 190 (mg KOH/g)		Titration
Colour in Gardner Cell	< 5 G		Colorimeter
Colour on Pt/ Co Scale	< 450 APHA		Colorimeter
Solubility at 25 °C	Solvent	Solubility (gm/100ml)	Visual
	Water	Insoluble	
	Isopropyl Alcohol	Soluble	
	Benzene	Soluble	
	Acetone	Soluble	

Product Applications:

1. 12 HSA is used in grease.
2. It is used as a thixotropic agent in chlorinated rubber paints, epoxy polyamide coatings.
3. It is used manufacture of acrylic polymers.

Product Benefits:

1. 12 HSA is a non-toxic, non-hazardous.

2. It has favorable moisture content.
3. It has ideal acid value.

Product Dosage: We strongly recommend testing of your own system under the actual conditions of processing and end-use prior to full scale testing. Exact loading must be determined by compositions of the specific polymer systems.

Polymer Details	Suggested dosage
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Product Handling & safety:

Please refer to our product MSDS for specific instructions on handling this product.

Product Registration: 12 HSA is approved for use in food contact polymer as per the following chapter headings.

Title: 21 - Food And Drugs

Chapter: I - Food And Drug Administration, Department Of Health And Human Services

Subchapter: B - Food For Human Consumption

Part: 178 - Indirect Food Additives: Adjuvants, Production Aids And Sanitizers

Subpart: D - certain Adjuvants And Production Aids

Section: 178.3570 - Lubricants With Incidental Food Contact.

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Title: 21 - Food And Drugs

Chapter: I - Food And Drug Administration, Department Of Health And Human Services

Subchapter: B - Food For Human Consumption (Continued)

Part: 176 - Indirect Food Additives: Paper And Paperboard Components

Subpart: B - Substances For Use Only As Components Of Paper And Paperboard

Section: 176.170 - Components Of Paper And Paperboard In Contact With Aqueous And Fatty Foods.

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Title: 21 - Food And Drugs

Chapter: I - Food And Drug Administration, Department Of Health And Human Services

Subchapter: B - Food For Human Consumption (Continued)

Part: 176 - Indirect Food Additives: Paper And Paperboard Components

Subpart: B - Substances For Use Only As Components Of Paper And Paperboard

Section: 176.210 - Defoaming Agents Used In The Manufacture Of Paper And Paperboard.

Product Disclaimer

Important : This statement supersedes any Buyers documents. Seller makes no representation, Warranty, Express or Implied, Including of Merchantability of Fitness for a particular use, or purpose.

No statement herein is to be construed as inducements to infringe any relevant patent. Under no circumstances shall Seler be liable for incidental, consequential or indirect damages for alleges negligence breach of warranty, strict liability, and tort or contact rising in connectoin with product(s). Buyers sole remedy and Sellers sole Liability for any claims shall be buyers purchase price. Data and results are based on controlled or lab work and must be confirmed by the buyer by testing for its indented conditions of use.

This product is not been tested for, and is therefore not recommended for, use for which prolonged contact with mucous membranes, abraded skin, or blood is intended, or fur use for which implantation within human body is intended.