

ASES CHEMICAL WORKS

Brahm Bagh, Jalori Gate, Jodhpur-342001 | B-47-50, Industrial Estate, Jodhpur-342003, Rajasthan, India
Ph: +91 63670 75682 / +91 96368 89954 | ecom@ases.in | www.ases.in | GST: 08AABFA4650R1Z4

MATERIAL SAFETY DATA SHEET

Product: STEARIC ACID (HYSTRIC) | Issue Date: 06-Oct-2026 | Revision: 01

1. IDENTIFICATION OF THE SUBSTANCE AND SUPPLIER	
Product Name	Stearic Acid
Trade Name	Hystric
Manufacturer	Godrej Industries Ltd.
Synonyms	Octadecanoic acid; Triple Pressed Stearic Acid
INCI Name	Stearic Acid
Product Code	S222EP
Recommended Use	Cosmetic and personal care raw material (emulsions, soaps, candles); industrial uses
Packager / Supplier	ASES Chemical Works, Brahm Bagh, Jalori Gate, Jodhpur-342001, Rajasthan, India
Telephone	+91 63670 75682 / +91 96368 89954
Email	ecom@ases.in
2. HAZARDS IDENTIFICATION	
GHS Classification	Not classified as hazardous under GHS / CLP
Signal Word	None
Hazard Statements	None
Other Hazards	Fine dust may form combustible dust concentrations in air. Molten product can cause thermal burns.
3. COMPOSITION / INFORMATION ON INGREDIENTS	
Chemical Name	Mixture of stearic acid (octadecanoic acid) and palmitic acid (hexadecanoic acid)
CAS No.	57-11-4 (stearic acid); 57-10-3 (palmitic acid)
EC No.	200-313-4; 200-312-9
Molecular Formula	$C_{18}H_{36}O_2$ (stearic); $C_{16}H_{32}O_2$ (palmitic)
Molecular Weight	284.48 g/mol (stearic); 256.42 g/mol (palmitic)
Carbon Chain Distribution (GC)	C16: 50 – 60 %; C18: 40 – 50 %; C14: max. 3.0 %; C12: max. 1.0 %; C18:1: max. 2.0 %; C20: max. 1.5 %
4. FIRST AID MEASURES	
Inhalation	Move to fresh air. Seek medical advice if irritation persists.
Skin Contact	Wash with soap and water. For molten product, cool skin rapidly with cold water; do not remove solidified material; get medical attention.
Eye Contact	Rinse cautiously with water for several minutes. Seek medical advice if irritation persists.
Ingestion	Rinse mouth with water. Do not induce vomiting. Seek medical advice if unwell.
5. FIRE-FIGHTING MEASURES	
Suitable Extinguishing Media	Water spray, foam, dry chemical powder, carbon dioxide
Unsuitable Media	High-volume water jet
Specific Hazards	Combustible solid. Dust may form explosive mixture with air. Combustion produces carbon monoxide and carbon dioxide.
Protective Equipment	Self-contained breathing apparatus and full protective clothing

6. ACCIDENTAL RELEASE MEASURES	
Personal Precautions	Avoid dust formation. Wear suitable protective equipment.
Environmental Precautions	Prevent entry into drains and waterways.
Clean-up Methods	Sweep or shovel into suitable closed containers for disposal. Avoid generating dust.
7. HANDLING AND STORAGE	
Handling	Avoid dust formation and contact with eyes. Keep away from sources of ignition. Use good industrial hygiene practice.
Storage	Store in a cool, dry, well-ventilated place in tightly closed containers, away from heat, direct sunlight and strong oxidizing agents.
8. EXPOSURE CONTROLS / PERSONAL PROTECTION	
Exposure Limits	ACGIH TLV (stearates): 10 mg/m ³ inhalable; 3 mg/m ³ respirable
Engineering Controls	Local exhaust ventilation where dust is generated
Eye Protection	Safety glasses with side shields
Hand Protection	Protective gloves; heat-resistant gloves when handling molten product
Respiratory Protection	Dust mask where dust is generated
Skin Protection	Work clothing
9. PHYSICAL AND CHEMICAL PROPERTIES	
Appearance	White, free-flowing flakes
Odour	Faint, fatty
Titre / Melting Point	54.0 – 56.0 °C
Boiling Point	Approx. 361 °C (decomposes)
Flash Point	Approx. 196 °C (closed cup)
Auto-ignition Temperature	Approx. 395 °C
Relative Density	Approx. 0.94 (20 °C)
Solubility	Insoluble in water; soluble in oils, ether, chloroform, hot ethanol
Acid Value	208 – 210 mg KOH/g
Saponification Value	209 – 211 mg KOH/g
Iodine Value	Max. 3.0 g I ₂ /100 g
10. STABILITY AND REACTIVITY	
Chemical Stability	Stable under normal conditions of storage and handling
Conditions to Avoid	Heat, flames, ignition sources, dust formation
Incompatible Materials	Strong oxidizing agents, strong bases, reducing agents
Hazardous Decomposition	Carbon monoxide, carbon dioxide
Hazardous Polymerization	Will not occur
11. TOXICOLOGICAL INFORMATION	
Acute Oral Toxicity	LD50 (rat): > 2000 mg/kg
Acute Dermal Toxicity	LD50 (rabbit): > 5000 mg/kg
Skin Irritation	Not irritating
Eye Irritation	May cause mild, transient irritation
Sensitization	Not a sensitizer
Carcinogenicity	Not listed by IARC, NTP or OSHA

12. ECOLOGICAL INFORMATION	
Biodegradability	Readily biodegradable
Bioaccumulation	Not expected to bioaccumulate significantly
Ecotoxicity	Not expected to be harmful to aquatic organisms at normal use levels
13. DISPOSAL CONSIDERATIONS	
Product	Dispose of in accordance with local, state and national regulations
Packaging	Empty containers may be recycled or disposed of as per local regulations
14. TRANSPORT INFORMATION	
UN Number	Not regulated
Road / Rail / Sea / Air	Not classified as dangerous goods for transport
HS Code	3823 11 00
15. REGULATORY INFORMATION	
GHS / CLP	Not classified as hazardous
Inventory Status	Listed on TSCA, EINECS, AICS, DSL
Cosmetic Use	Permitted cosmetic ingredient (INCI: Stearic Acid)
16. OTHER INFORMATION	
Manufacturer	Godrej Industries Ltd. (Trade name: Hystric)
Prepared By	ASES Chemical Works (Packager)
Disclaimer	The information in this MSDS is based on our present knowledge and is given in good faith. It does not constitute a guarantee of product properties. Users should determine suitability for their specific purpose and comply with all applicable laws and regulations.

For **ASES Chemical Works**

Rohan Singhvi
Authorized Signatory