



MATERIAL SAFETY DATA SHEET (MSDS)

1. PRODUCT NAME AND COMPANY IDENTIFICATION

Product Name:

- **12-Hydroxystearic Acid (Flakes)**
- **Synonyms:** 12-HSA, 12-Hydroxyoctadecanoic Acid

Manufacturer/Supplier:

Swadesh (India) Chemical Pvt. Ltd.

Address:

Survey No: 512, Plot No. 7,
Shri Hari Industrial Park,
Kadadra Village, Near ZAK GIDC,
Dehgam, Gandhinagar, Gujarat, India – 382330

Contact:

- Email: business@swadeshindia.in
- Website: www.swadeshindia.in

Recommended Use:-

Lubricant additive, grease thickener, cosmetics, pharmaceuticals.

2. COMPOSITION/INGREDIENT INFORMATION

Component	CAS No.	Concentration (%)
12-Hydroxystearic Acid	106-14-9	≥98%

Additional Notes :-

GHS Classification: Skin Corrosion: Category 2

Eye Damage: Category 2A



SWADESH(INDIA) CHEMICAL PVT.LTD.

3. HAZARDS IDENTIFICATION

Classification:

- Not classified as hazardous under normal handling..

Potential Hazards:

- May cause mild eye/skin irritation.
- Avoid dust inhalation (powder form).

4. FIRST AID MEASURES

- **Eye Contact:** Rinse with water for 15 minutes.
- **Skin Contact:** Wash with soap and water.
- **Ingestion:** Rinse mouth; seek medical advice if large amounts are swallowed.
- **Inhalation:** Move to fresh air (if dust is inhaled).

5. FIRE FIGHTING MEASURES

- **Extinguishing Media:** CO₂, dry chemical, foam (water spray for cooling).
- **Hazardous Combustion Products:** CO, CO₂, acrid smoke.

6. ACCIDENTAL RELEASE MEASURES (STEPS FOR SPILLS)

- **Spill Response:**
 - **Small Spills:** Sweep or collect with non-sparking tools.
 - **Large Spills:** Contain and dispose of properly.



7. HANDLING AND STORAGE

- **Handling:** Avoid dust formation; use local exhaust ventilation.
- **Storage:** Keep in a cool, dry place (<30°C).
 - Store in sealed containers away from oxidizers.
- **Shelf Life:** 24–36 months if stored properly.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

- **PPE:**
 - **Gloves:** Nitrile or rubber gloves.
 - **Eye Protection:** Safety goggles (if handling powder).
 - **Respiratory Protection:** Dust mask (N95) if airborne.

9. PHYSICAL AND CHEMICAL PROPERTIES

Property	Value
Melting Point:	White to off-white flakes
Odor	Faint fatty odor
Melting Point	~70–80°C
Solubility	Insoluble in water, soluble in alcohol/oils
pH (1% dispersion)	~5–6 (weakly acidic)

10. STABILITY AND REACTIVITY

Chemical Stability:

- Stable under normal conditions

Incompatible Materials:

- Strong oxidizers
- Strong acids/bases

Hazardous Decomposition Products:

- Thermal breakdown may release CO/CO₂.



11. TOXICOLOGICAL INFORMATION

Acute Toxicity:

- (LD50(rat) >2000 mg/kg (low toxicity).

Skin Irritation:

- Non-irritating to slightly irritating.

Carcinogenicity:

- Not classified (IARC, NTP).

12. ECOLOGICAL INFORMATION

Biodegradability:

- Readily biodegradable (OECD 301).

Aquatic Toxicity:

- Low (LC50 >100 mg/L for fish).

13. DISPOSAL CONSIDERATIONS

Waste Disposal:

- Dispose of as non-hazardous waste per local regulations.

14. TRANSPORT INFORMATION

DOT/IMO/IATA:

- Not classified as dangerous goods



15. REGULATORY INFORMATION

India:

- Compliant with CPCB regulations

International:

- REACH registered
- OSHA compliant

16. ADDITIONAL INFORMATION

Revision Date :20/04/24

Disclaimer: This MSDS is provided for informational purposes only. Users should make their own determination of suitability for any particular purpose.