



MATERIAL SAFETY DATA SHEET

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Issue Date:

1- Chemical Product Information and Company Identification.

Product Name: : Stearic Acid, >98%.
Synonym: : 1-Heptadecanecarboxylic acid.
Product code: : BS14085.
CAS Number: : 57-11-4.
Company Name: : Briti Scientific.
Company Address: : Plot No:78/B/13, SY-79,Phase-VI, Jeedimetla,Hyderabad-500 055.
Telangana, India.

Section 2- Composition / Information on Ingredients.

CAS No.	Chemical Name	Mol. Formula
57-11-4.	1-Heptadecanecarboxylic acid.	C ₁₈ H ₃₆ O ₂ .

Section 3- Hazards Identification.

Appearance: white flakes.

Target Organs: Respiratory system, eyes, skin.

Potential Health Effects:

Eye: Causes eye irritation.

Skin: Causes mild skin irritation. May be harmful if absorbed through the skin.

Ingestion: May cause irritation of the digestive tract. May be harmful if swallowed.

Inhalation: Causes respiratory tract irritation. May be harmful if inhaled.

Chronic: Not available.

Section 4- First Aid Measures.

Eye Contact: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention if symptoms occur.

Skin Contact: Wash off immediately with plenty of water for at least 15 minutes. Get medical attention if symptoms occur.

Inhalation: Remove to fresh air. If not breathing, give artificial respiration. Get medical attention if symptoms occur.

Ingestion: Do NOT induce vomiting. Get medical attention.

Most important symptoms and effects: No information available.

Notes to Physician: Treat symptomatically and supportively.





Section 5- Fire Fighting Measures.

General Information: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Material will burn in a fire. Combustible solid. Dangerous fire hazard in the form of dust when exposed to heat or flame.

Suitable Extinguishing Media: Water spray, carbon dioxide (CO₂), dry chemical, chemical foam.

Unsuitable Extinguishing Media: No information available.

Flash Point: 196 °C (384.80 °F).

Method - No information available.

Autoignition Temperature: 395 °C (743.00 °F).

Explosion Limits

Upper No data available

Lower No data available

Sensitivity to Mechanical Impact: No information available.

Sensitivity to Static Discharge: No information available.

NFPA

Health	Flammability	Instability	Physical hazards
1	1	0	N/A

Section 6- Accidental Release Measures.

General Information: Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks: Vacuum or sweep up material and place into a suitable disposal container. Use a spark-proof tool.

Section 7- Handling and Storage.

Handling: Use spark-proof tools and explosion proof equipment. Avoid breathing dust, vapor, mist, or gas. Avoid contact with skin and eyes. Keep away from heat, sparks and flame.

Storage: Keep away from heat, sparks, and flame. Store in a cool, dry place. Store in a tightly closed container. Keep from contact with oxidizing materials. Flammables-area.

Section 8- Exposure Control/Personal Protection.

Engineering Controls: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate general or local explosion-proof ventilation to keep airborne levels to acceptable levels.

OSHA Vacated PELs:

Stearic acid: No OSHA Vacated PELs are listed for this chemical.

Personal Protective Equipment

Eyes: Not available.

Skin: Wear appropriate protective gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to prevent skin exposure.





Respirators: Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

Section 9- Physical and Chemical Properties.

Appearance:	White free flowing flakes.
Odor:	fatty odor.
Odor Threshold:	No information available.
pH:	No information available.
Melting Point/Range:	70 °C.
Boiling Point/Range:	No information available.
Flash Point:	No information available.
Evaporation Rate:	No information available.
Flammability (solid,gas):	Not applicable.
Flammability or explosive limits:	
Upper	No information available.
Lower	No information available.
Vapor Pressure:	No information available.
Density:	0.845 g/cm ³ .
Solubility:	Soluble in water.
Partition coefficient; n-octanol/water:	No data available.
Autoignition Temperature:	No data available.
Decomposition Temperature:	No data available.
Viscosity:	No data available.
Molecular formula:	C ₁₈ H ₃₆ O ₂ .
Molecular Weight:	284.48 g/mol.

Section 10- Stability and Reactivity.

Reactive Hazard: None known, based on information available.
Stability: Stable under normal conditions.
Conditions to Avoid: Incompatible materials, ignition sources, excess heat.
Incompatible Materials: Strong oxidizing agents.
Hazardous Decomposition Products: Carbon monoxide (CO), Carbon dioxide (CO₂).
Hazardous Polymerization: Hazardous polymerization does not occur.
Hazardous Reactions: None under normal processing.





Section 11- Toxicological Information.

RTECS#:

CAS# 57-11-4: W12800000

LD50/LC50:

CAS# 57-11-4:

Draize test, rabbit, skin: 500 mg/24H Moderate;

Skin, rabbit: LD50 = >5 gm/kg;

Carcinogenicity:

CAS# 57-11-4: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

Epidemiology: No data available.

Teratogenicity: No data available.

Reproductive Effects: No data available.

Mutagenicity: No data available.

Neurotoxicity: No data available.

Section 12- Ecological Information.

Ecotoxicity: No information available.

Persistence and Degradability: No information available.

Bioaccumulation/ Accumulation: No information available.

Mobility: No information available.

Section 13- Disposal Considerations.

Waste Disposal Methods:

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.

Section 14- Transport Information.

	US DOT	Canada TDG
Shipping name:	FLAMMABLE SOLIDS, ORGANIC, N.O.S.	FLAMMABLE SOLIDS,ORGANIC, N.O.S.
Hazard less	4.1	4.1
UN Number	UN1325	UN1325
Packing Group	III	III

Section 15- Regulatory Information.



USA: #1004, Boston, Massachusetts, 02116, United States. **India:** Jeedimetla, Hyderabad-500 055, Telangana.

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US FEDERAL

TSCA

CAS# 57-11-4 is listed on the TSCA inventory.

Health & Safety Reporting List:

None of the chemicals are on the Health & Safety Reporting List.

Chemical Test Rules

None of the chemicals in this product are under a Chemical Test Rule.

Section 313

No chemicals are reportable under Section 313.

California Prop 65:

California No Significant Risk Level: None of the chemicals in this product are listed.

WGK (Water Danger/Protection)

CAS# 57-11-4: 0

Canada - DSL/NDSL

CAS# 57-11-4 is listed on Canada's DSL List.

Canada – WHMIS:

This product has a WHMIS classification of D2B, B4.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations.

Canadian Ingredient Disclosure List

CAS# 57-11-4 is listed on the Canadian Ingredient Disclosure List.

Section 16- Other Information.

Briti Scientific provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose.

