

1. IDENTIFICATION

Product identifier**Product Name** SODIUM STEARATE 100**Other means of identification****Product Code** 102125**Synonyms** None**Other Information** SDS valid for the following product codes: 102125, 102378, 102701, 102703, 706900, 706901, 706923.**Recommended use of the chemical and restrictions on use****Recommended Use** Lubricant, Emulsifier, Gelling agent.**Uses advised against** Consumer use**Details of the supplier of the safety data sheet****Supplier Address**Blachford Corporation (815) 464-2100
401 Center Road, Frankfort, IL, 60423
USA**Manufacturer Address**Blachford Corporation (815) 464-2100
401 Center Road, Frankfort, IL, 60423 USA**Emergency telephone number****Emergency Telephone** Chemtrec: 1-800-424-9300/1-703-741-5970

2. HAZARDS IDENTIFICATION

Classification**OSHA Regulatory Status**

This product is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Combustible dust

Yes

Label elements**Emergency Overview****Warning**

May form combustible dust concentrations in air

Appearance powder**Physical state** solid**Odor** slight**Precautionary Statements - Prevention**

Minimize dust generation and accumulation

Hazards not otherwise classified (HNOC)

Not applicable

Other Information

May cause skin, eye, and respiratory tract irritation

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance

Common name Sodium stearate.

Chemical Name	CAS No.	Weight-%
Fatty acids, C8-18 and C18 unsatd., sodium salts	67701-10-4	95 - 100

4. FIRST AID MEASURES

Description of first aid measures

Eye contact	Rinse thoroughly with plenty of water, also under the eyelids. If eye irritation persists: Get medical advice/attention.
Skin contact	Wash with plenty of water. If symptoms persist, call a physician.
Inhalation	Remove to fresh air. If symptoms persist, call a physician.
Ingestion	Not an expected route of exposure. Clean mouth with water then drink plenty of water. Consult a physician if necessary.

Most important symptoms and effects, both acute and delayed

Symptoms Product dust may be irritating to eyes, skin and respiratory system.

Indication of any immediate medical attention and special treatment needed

Note to physicians Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Dry chemical, CO₂, alcohol-resistant foam or water spray. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media Use water spray or fog; do not use straight streams.

Specific hazards arising from the chemical

May form combustible dust concentrations in air.

Hazardous combustion products Carbon oxides. Oxide of sodium.

Explosion data

Sensitivity to Mechanical Impact Not sensitive.

Sensitivity to Static Discharge Fine dust dispersed in air, in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions Avoid creating dust.

Environmental precautions

Environmental precautions Do not flush into surface water or sanitary sewer system.

Methods and material for containment and cleaning up

Methods for containment Prevent dust cloud.

Methods for cleaning up Take up mechanically, placing in appropriate containers for reuse / disposal. Avoid creating dust.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling Avoid generation of dust. Avoid contact with skin and eyes. Do not breathe dust. In case of insufficient ventilation, wear suitable respiratory equipment. Wash thoroughly after handling.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place.

Incompatible materials Strong oxidizing agents. Strong acids.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines Stearates: 10 mg/m³ (ACGIH-TWA).

Appropriate engineering controls

Engineering Controls Showers
Eyewash stations
Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/face protection Wear safety glasses with side shields (or goggles).

Skin and body protection Wear protective gloves.

Respiratory protection None under normal use conditions. A dust mask is recommended when processing creates dust.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	solid	Odor	slight
Appearance	powder	Odor threshold	No information available
Color	white		
<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>	
pH	9 - 10.2	(10% aqueous solution)	
Melting point / freezing point	207 - 209 °C		
Boiling point / boiling range	No information available		
Flash point	-	Not applicable	
Evaporation rate	-	negligible	
Flammability (solid, gas)	No information available		
Flammability Limit in Air			
Upper flammability limit:	No information available		
Lower flammability limit:	No information available		

Vapor pressure	-	Not applicable
Vapor density	-	Not applicable
Relative density	~ 1	
Water solubility	Appreciable	
Solubility in other solvents	No information available	
Partition coefficient	No information available	
Autoignition temperature	No information available	
Decomposition temperature	No information available	
Kinematic viscosity	-	Not applicable
Dynamic viscosity	-	Not applicable
Explosive properties	May form combustible dust concentrations in air	
Oxidizing properties	Not applicable	

Other Information

Softening point	No information available
Molecular weight	No information available
VOC Content (%)	No information available
Density	No information available
Bulk density	No information available

10. STABILITY AND REACTIVITY

Reactivity

Stable under normal conditions

Chemical stability

Stable.

Possibility of Hazardous Reactions

None under normal processing.

Hazardous polymerization Hazardous polymerization does not occur.

Conditions to avoid

Dust formation.

Incompatible materials

Strong oxidizing agents. Strong acids.

Hazardous Decomposition Products

Thermal decomposition can lead to release of irritating and toxic gases and vapors.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information	Product does not present an acute toxicity hazard based on known or supplied information
Inhalation	Inhalation of dust in high concentration may cause irritation of respiratory system.
Eye contact	May cause slight irritation.
Skin contact	Substance may cause slight skin irritation.
Ingestion	Not an expected route of exposure. May cause irritation.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Fatty acids, C8-18 and C18 unsatd., sodium salts 67701-10-4	> 5,000 mg/kg	-	-

Information on toxicological effects

Symptoms Product dust may be irritating to eyes, skin and respiratory system.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization	Not expected. Product does not contain any compounds known to cause sensitization.
Germ cell mutagenicity	None known.
Carcinogenicity	This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.
Reproductive toxicity	This product does not contain any known or suspected reproductive hazards.
STOT - single exposure	None known.
STOT - repeated exposure	None known.
Aspiration hazard	Not applicable.

Numerical measures of toxicity - See component information

12. ECOLOGICAL INFORMATION

Ecotoxicity

Not expected to be harmful to aquatic life

Persistence and degradability

Readily biodegradable (based on similar product(s)).

Bioaccumulation

Not expected to bioaccumulate.

Other adverse effects

No information available

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal of wastes This material, as supplied, is not a hazardous waste according to state and federal regulations (40 CFR 261). Dispose of in accordance with federal, state and local regulations.

Contaminated packaging Dispose of in accordance with federal, state and local regulations.

14. TRANSPORT INFORMATION

DOT Not regulated

TDG Not regulated

MEX Not regulated

ICAO (air) Not regulated

IATA Not regulated

IMDG Not regulated

RID Not regulated

ADR Not regulated

ADN Not regulated

15. REGULATORY INFORMATION

International Inventories

TSCA	Complies
DSL/NDSL	Complies with DSL
EINECS/ELINCS	Complies
ENCS	Complies
IECSC	Complies
KECL	Complies
PICCS	Complies
AICS	Complies

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications. Under the amended regulations at 40 CFR 370, EPCRA 311/312 Tier II reporting for the 2017 calendar year will need to be consistent with updated hazard classifications.

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals

U.S. State Right-to-Know Regulations

This product does not contain any substances regulated by state right-to-know regulations

U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION

HMIS Health hazards 1 Flammability 1 Physical hazards 0 Personal protection E

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Issue Date Contact: Reg.Affairs@blachford.ca
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Revision Note 27-Apr-2018

SDS sections updated: 2, 8, 9, 11.

Disclaimer

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet

Acute health hazard	No
Chronic Health Hazard	No
Fire hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No