



MATERIAL SAFETY DATA SHEET

Ferro Corporation, Polymer Additives Division
 Cleveland Operation
 1636 Wayside Road
 Cleveland, Ohio 44112 USA

Emergency telephone number
 CHEMTREC: 1-800-424-9300
 CHEMTREC (outside U.S.): 1-703-527-3887
 Plant Number: 1-216-531-6010

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

Stannous
Product Name: Sn Stearate 50 Lb Box
Chemical Family: Stearate
Chemical Name: Octadecanoic acid, tin salt
Synonyms: Stannous stearate.
Formula: C36H70O4Sn
CAS-No.: 6994-59-8
Product code: 1036038
 Date of Preparation: 04/24/2007

2. HAZARD IDENTIFICATION

Emergency Overview

CAUTION
 May cause irritation of respiratory tract. May cause eye/skin irritation. Concentrated airborne dust may present an explosion hazard.
NFPA 704

Colour:	White	Health:	1
Physical state:	Powder	Fire:	1
Odour:	Mild	Instability:	0

Potential Health Effects

Principle routes of exposure: Eye contact. Skin contact. Inhalation.

Eye contact: Contact with eyes may cause irritation.

Skin contact: Prolonged skin contact may cause skin irritation.

Inhalation: May cause irritation of respiratory tract.

Ingestion: May irritate digestive tract.

Chronic toxicity: Repeated or prolonged skin contact may cause skin irritation and/or dermatitis and sensitization of susceptible persons.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS Number	Weight %
Stannous Stearate	6994-59-8	100%

4. FIRST AID MEASURES

Eye contact: Rinse thoroughly with plenty of water, also under the eyelids. If symptoms persist, call a physician.

Skin contact: Rinse with plenty of water. If skin irritation persists, call a physician.

Inhalation: Move to fresh air. If breathing is difficult, give oxygen. If symptoms persist, call a physician.

Ingestion: Drink 1 or 2 glasses of water. Do not induce vomiting without medical advice. Consult a physician.

Notes to physician: Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Flash point (°C): >260 °C (500°F) Method: PMCC

Suitable extinguishing media: Use dry chemical, CO₂, water spray or "alcohol" foam. Do not use a solid water stream as it may scatter and spread fire.

Hazardous decomposition products: Carbon oxides. SnO.

Special protective equipment for firefighters: As in any fire, wear self-contained breathing apparatus pressure-demand, NIOSH (approved or equivalent) and full protective gear.

Unusual hazards: Concentrated dust may present an explosion hazard.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Avoid contact with skin, eyes and clothing. Use personal protective equipment. Ensure adequate ventilation. Avoid dust formation. Remove all sources of ignition. Do not breathe vapors/dust.

Environmental precautions: Prevent further leakage or spillage if safe to do so. Do not allow material to contaminate ground water system. Do not let product enter drains.

Methods for cleaning up: Pick up and transfer to properly labelled containers. Dispose of promptly.

7. HANDLING AND STORAGE

Handling: Avoid dust formation. Do not breathe vapours/dust. Avoid contact with skin and eyes. Provide appropriate exhaust ventilation at places where dust is formed. Wear personal protective equipment. Consult NFPA 654 for further information regarding the prevention of dust explosion hazards.

Storage: Keep container tightly closed in a dry and well-ventilated place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limits

Components	OSHA	ACGIH
Tin compound, as Sn	2 mg/m ³ TWA	2 mg/m ³ TWA

Engineering measures: Ensure that eyewash stations and safety showers are proximal to the work-station location. Provide appropriate exhaust ventilation at places where dust or fume is formed.

Eye protection: Safety glasses with side-shields. Avoid contact with eyes.

Skin and body protection: Lightweight protective clothing.

Hand protection: Impervious gloves.

Respiratory protection: In case of insufficient ventilation wear suitable respiratory equipment.

9. PHYSICAL AND CHEMICAL PROPERTIES

Colour:	White	Physical state:	Powder
Odour:	Mild	Molecular weight:	No data available
Boiling point/range (°C):	No data available	pH:	No data available
Specific gravity (Water =1):	> 1.000	Vapor pressure (mmHg):	No data available
Evaporation rate (Water =1):	No data available	Water solubility (mg/l):	Insoluble
VOC content (%)	No data available		

10. STABILITY AND REACTIVITY

Stability: Stable at normal conditions

Polymerization: None under normal processing

Hazardous decomposition products: Carbon oxides. Heavy metal compounds.

Materials to avoid: Strong oxidizing agents.

Conditions to avoid: Avoid dust formation.

11. TOXICOLOGICAL INFORMATION

Acute toxicity: No data is available on the product itself

Target Organ Effects: Tin compound: Respiratory system (stannosis), eyes, skin.

12. ECOLOGICAL INFORMATION

Aquatic toxicity: Not determined

Persistence and degradability: Not determined

13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products: Dispose of according to all federal, state and local applicable regulations. Where possible recycling is preferred to disposal or incineration.

14. TRANSPORT INFORMATION

DOT (U.S.)

Proper shipping name: Not regulated.

TDG (Canada)

Proper shipping name: Not regulated.

15. REGULATORY INFORMATION

U.S. Regulations:

Not subject to the provisions of SARA 313 Title III

Not subject to TSCA 12(b) Export Notification

State Regulations

This product or its ingredients have been evaluated for New Jersey, Pennsylvania, and California Prop 65 supplier notification requirements. Substances that are subject to notification requirements, if any, are listed below.

Canadian WHMIS

WHMIS hazard class: Non-controlled.

Canadian Ingredient Disclosure List (IDL): Not Listed.

International Inventories

TSCA 8(b): Listed or exempt.

Canadian DSL: Listed or exempt.

EINECS: Listed or exempt.

Phillipines (PICCS): Not Listed.

Japan (ENCS): Listed or exempt.

Korea (KECL): Listed.
China (IECS): Listed.
Australia (AICS): Listed.

16. OTHER INFORMATION

For Industrial Use Only

HMIS

Health: 1

Fire: 1

Physical hazard: 0

PPE: E

Prepared by: Ferro Technical Center

The information and recommendations contained in this Material Safety Data Sheet have been compiled from sources believed to be reliable and to represent the most reasonable current opinion on the subject when the MSDS was prepared. No warranty, guaranty or representation is made as to the correctness or sufficiency of the information. The user of this product must decide what safety measures are necessary to safely use this product, either alone or in combination with other products, and determine its environmental regulatory compliance obligations under any applicable federal or state laws.

End of Safety Data Sheet

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