



# 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

Plant Number: 1-216-750-7020

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

**Product Name:** Therm-Chek® SP1546  
**Chemical Family:** Polymer Additive  
**Chemical Name:** PVC Powder Stabilizer  
**CAS-No.:** Mixture  
**Product code:** 1035934  
Date of Preparation: 04/15/2005

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS Number	Weight %	OSHA	ACGIH
Stearate		70 - 80%	15 mg/m <sup>3</sup> TWA (total dust); 5 mg/m <sup>3</sup> TWA (respirable fraction)	10 mg/m <sup>3</sup> TWA

OSHA particulate (not otherwise regulated) limit: 5 mg/m<sup>3</sup> (respirable); 15 mg/m<sup>3</sup> (total). The specific chemical identities are being withheld as a trade secret (29CFR1910.1200).

## 3. HAZARDS IDENTIFICATION

### Emergency Overview

Caution  
May cause eye/skin irritation. May cause irritation of respiratory tract.

NFPA 704

<b>Color:</b> White	<b>Health:</b> 1
<b>Physical state:</b> Powder	<b>Fire:</b> 1
<b>Odour:</b> Mild	<b>Instability:</b> 0

### Potential Health Effects

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

**Eye contact:** May cause slight irritation.

**Skin contact:** Prolonged skin contact may cause skin irritation and/or dermatitis.

**Inhalation:** Product dust may be irritating to eyes, skin and respiratory system. Over-exposure by inhalation may cause respiratory irritation.

**Ingestion:** May irritate digestive tract.

**Chronic toxicity:** Excessive inhalation of dust may cause chemical pneumonitis, cyanosis, and pulmonary edema.

## 4. FIRST AID MEASURES

**Eye contact:** Rinse immediately with plenty of water, also under the eyelids. Get medical attention if irritation develops.

**Skin contact:** Wash off immediately with soap and plenty of water. Remove and wash contaminated clothing before re-use. If symptoms persist, call a physician.

**Inhalation:** Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. If symptoms persist, call a physician.

**Ingestion:** Drink plenty of water. Do not induce vomiting without medical advice. Consult a physician.

Notes to physician: Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

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

**Suitable extinguishing media:** Use dry chemical, CO<sub>2</sub>, water spray or "alcohol" foam.

**Hazardous decomposition products:** Thermal decomposition can lead to release of irritating gases and vapors. Heavy metal compounds. Carbon oxides. ZnO.

**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:** None known.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:** Avoid dust formation. Evacuate area of all unnecessary personnel. Avoid contact with skin, eyes and clothing. Wear personal protective equipment.

**Environmental precautions:** Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Do not flush into surface water or sanitary sewer system.

**Methods for cleaning up:** Use approved industrial vacuum cleaner for removal. Wear personal protective equipment. Dispose of promptly.

## 7. HANDLING AND STORAGE

**Handling:** Handle in accordance with good industrial hygiene and safety practice. Avoid dust formation. Avoid contact with skin, eyes and clothing. In case of insufficient ventilation, wear suitable respiratory equipment. Provide appropriate exhaust ventilation at places where dust is formed. Remove all sources of ignition. Take precautionary measures against static discharges.

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

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Engineering measures:** Ensure adequate ventilation, especially in confined areas. Ensure that eyewash stations and safety showers are proximal to the work-station location.

**Respiratory protection:** Use NIOSH approved respirator when ventilation is inadequate.

**Hand protection:** Impervious gloves.

**Skin and body protection:** Lightweight protective clothing.

**Eye protection:** Safety glasses with side-shields.

**Exposure limits:** See Section 2.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Color:</b>	White	<b>Physical state:</b>	Powder
<b>Odour:</b>	Mild	<b>Molecular weight:</b>	No data available
<b>Boiling point/range (°C):</b>	No data available	<b>pH:</b>	No data available
<b>Melting point/range (°C):</b>	120 - 130	<b>Specific gravity (Water =1):</b>	> 1.000
<b>Vapor pressure (mmHg):</b>	No data available	<b>Evaporation rate (Water =1):</b>	No data available
<b>Water solubility (mg/l):</b>	Insoluble	<b>VOC content (%)</b>	No data available

## 10. STABILITY AND REACTIVITY

**Stability:** Stable at normal conditions.

**Polymerization:** Will not occur.

**Hazardous decomposition products:** None under normal use. Thermal decomposition can lead to release of irritating gases and vapours. Heavy metal compounds. Carbon oxides.

**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.

### Component Information

Component information, if any, is listed below

#### Stearate

**ACGIH - Carcinogens:** A4 - Not Classifiable as a Human Carcinogen (does not include stearates of toxic metals)

## 12. ECOLOGICAL INFORMATION

No data is available on the product itself

**Aquatic toxicity:** Not determined

**Persistence and degradability:** Not determined

## 13. DISPOSAL CONSIDERATIONS

**Waste from residues / unused products:** Waste must be disposed of in accordance with federal, state and local environmental control regulations. Where possible recycling is preferred to disposal or incineration.

## 14. TRANSPORT INFORMATION

### DOT:

**Proper shipping name:** Not regulated.

### TDG (Canada):

**Proper shipping name:** Not regulated.

## 15. REGULATORY INFORMATION

### U.S. Regulations:

**Not subject to TSCA 12(b) Export Notification**

Components	SARA 313:
Zinc compounds, as Zn (1 - 5%)	1.0% de minimis concentration (Chemical Category N982)
Zinc Compound (30 - 40%)	1.0% de minimis concentration (Chemical Category N982)

### 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.

Components	NJRTK:	PARTK:	Cal Prop65:
Stearate	N/A	Listed	N/A
Thiodipropionic Acid	N/A	N/A	N/A

### Canadian WHMIS

WHMIS hazard class: Non-controlled.

**Components**

Stearate  
Thiodipropionic Acid

**WHMIS Ingredient Disclosure:**

1%  
1%

**International Inventories**

TSCA 8(b): All the ingredients are on the TSCA list.  
Canadian DSL: All the ingredients are on the DSL.  
EINECS: All the ingredients are on the EINECS list.  
Phillipines (PICCS): Listed.  
Japan (ENCS): Listed.  
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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