



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 OF THE COMPANY/UNDERTAKING

Product Name: Therm-Chek® SP1250 100 Lb Drm **Date of Preparation:** 02/14/2014
Chemical Family: Stabilizer
Chemical Name: PVC Powder Stabilizer
CAS-No.: Mixture
Product Code: 1035925

2. HAZARDS IDENTIFICATION

Emergency Overview

Caution

May cause respiratory tract, eye and skin irritation. Concentrated airborne dust may present an explosion hazard.

Color: White	Health:	HMIS	NFPA 704
Physical state: Powder	Flammability:	1	1
Odor: Mild	Physical Hazard:	0	1
	PPE:	0	0
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Potential Health Effects

Principle routes of exposure: Inhalation, ingestion, skin and eye contact.
Eye contact: Contact with eyes may cause irritation.
Skin contact: Prolonged skin contact may cause skin irritation.
Inhalation: Over-exposure by inhalation may cause respiratory irritation.
Ingestion: Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.
Chronic toxicity: Prolonged skin contact may cause skin irritation and/or dermatitis.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS Number	Weight %
Stearate		70 - 80%

The specific chemical identities are being withheld as a trade secret (29CFR1910.1200).

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. Call a physician immediately.

Ingestion: Drink plenty of water. Do not induce vomiting. Consult a physician if necessary.

Notes to physician: Treat symptomatically

5. FIRE-FIGHTING MEASURES

Flash point (°C): >260(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 under fire conditions: Carbon oxides. ZnO. CaO.

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: Avoid dust formation. Dust may form explosive mixture in air.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Avoid dust formation. Avoid contact with skin, eyes and clothing. Remove all sources of ignition. Use personal protective equipment.

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

Methods for cleaning up: Wear personal protective equipment. Shovel into suitable container for disposal. Dispose of promptly.

7. HANDLING AND STORAGE

Handling:

Use only in area provided with appropriate exhaust ventilation. Keep away from open flames, hot surfaces and sources of ignition. Avoid contact with skin and eyes. Avoid dust formation. Do not breathe vapours/dust.

Storage:

Keep containers tightly closed in a cool, well-ventilated place. Keep away from open flames, hot surfaces and sources of ignition.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limits

Minimize exposure in accordance with good hygiene practice

Components	OSHA PEL	ACGIH
Stearate	15 mg/m ³ TWA total dust 5 mg/m ³ TWA respirable fraction	Not established

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

Eye protection: Safety glasses with side-shields.

Skin and body protection: Long sleeved clothing.

Hand protection: Impervious gloves.

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

Hygiene measures: Wash hands before breaks and at the end of workday

9. PHYSICAL AND CHEMICAL PROPERTIES

Color:	White	Physical state:	Powder
Odor:	Mild	Molecular weight:	No data available
Boiling point/range (°C):	No data available	pH:	No data available
Melting point/range (°C):	120 - 130	Specific gravity (Water =1):	> 1.000
Vapor pressure :	No data available	Water solubility:	Negligible
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 acids and oxidizing agents.
Conditions to avoid	Heat, flames and sparks. Dust may form explosive mixture in air.

11. TOXICOLOGICAL INFORMATION

Acute toxicity:	Information given is based on data on the components and the toxicology of similar products
Chronic Toxicity:	Prolonged skin contact may cause skin irritation and/or dermatitis.
Component information, if any, is listed below	

Stearate

LD50s and LC50s:	Dermal LD50 (Rabbit) = 2000 mg/kg Oral LD50 (Rat) = 5000 mg/kg
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Sorbitol

LD50s and LC50s:	Oral LD50 (Rat) = 15900 mg/kg
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Thiodipropionic Acid

LD50s and LC50s:	Oral LD50 (Rat) = 3 g/kg
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12. ECOLOGICAL INFORMATION

Aquatic toxicity:	Information given is based on data on the components and the ecotoxicology of similar products
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.
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14. TRANSPORT INFORMATION

DOT (U.S.)

Proper shipping name:	Not Regulated
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14. TRANSPORT INFORMATION

TDG (Canada)
Proper Shipping Name Not Regulated

IMDG
Proper Shipping Name Not Regulated

IATA
Proper shipping name Not Regulated

15. REGULATORY INFORMATION

U.S. Regulations:

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

SARA 313:

Components	U.S. - CERCLA/SARA - Section 313 - Emission Reporting
Zinc compounds (30 - 40%)	1.0 % de minimis concentration

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	PARTK:
Zinc compounds	Listed (PARTK)

Components	NJRTK:
Stearate	Listed (NJRTK)
Zinc compounds	2021

Canadian WHMIS

WHMIS hazard class: D2B Toxic materials

Canadian Ingredient Disclosure List (IDL):

Components	Canada - WHMIS Ingredient Disclosure:
Stearate	1
Thiodipropionic Acid	1

International Inventories

U.S. EPA TSCA 8(b): Listed or exempt.
Canada DSL/NDSL list All ingredient(s) are listed on the DSL or NDSL
Europe (EINECS): Listed or exempt.
Philippines (PICCS): Listed.
Japan (ENCS): Listed or exempt.

Korea (KECL):	Listed.
China (IECS):	Listed.
Australia (AICS):	Listed.
New Zealand (NZIoC):	Listed.

16. OTHER INFORMATION

For Industrial Use Only

Prepared by: Ferro Technical Center

Disclaimer: 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