

NFPA	OSHA HCS Risk Phrases	Personal Protective Equipment
	CLASS: Irritating substance.	

Section 1 Chemical Product and Company Identification

Common Name/ Trade Name Therm-Chek® 5573-SF	
Manufacturer Ferro Corporation, Polymer Additives Division Walton Hills Operation 7050 Krick Road Walton Hills, Ohio 44146-4494 USA	Emergency Phone Numbers CHEMTREC: 1-800-424-9300 24 Hour Information: 1-216-641-5324 Plant-Week Days Only: 1-216-750-6708
Chemical Name Zinc Complex Mixture	
Chemical Family Polymer Additive	
Synonym Not available.	
CAS# Mixture	

Section 2 Composition and Information on Ingredients

INGREDIENTS	CAS #	% Weight	OSHA (PEL) ACGIH (TLV)
1) Zinc compounds (as Zn)	7440-66-6	10-15	Not available.

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

Section 3 Hazards Identification

Emergency Overview Yellow. Pungent. Liquid. (Clear)
CAUTION! MAY CAUSE EYE AND SKIN IRRITATION.
Potential Health Effects
Acute This product may irritate eyes and skin upon contact. Avoid breathing vapor or mist.
Chronic There is no known effect from chronic exposure to this product.

Section 4 First Aid Measures

Eye	Flush with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. If irritation persists, seek medical attention.
Skin	Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. If irritation persists, seek medical attention.
Inhalation	Allow the victim to rest in a well ventilated area. Oxygen may be administered if breathing is difficult. Seek medical attention.
Ingestion	Do not induce vomiting. Seek immediate medical attention.

Section 5 Fire and Explosion Data

Flammability Non-flammable.	Flash Point CLOSED CUP: 104°C (219.2°F). (Pensky-Martens.)
Auto-ignition Temperature Not available.	Flammable Limits Not available.
Fire Fighting Media and Instructions	Non-flammable substance. Use extinguishing media suitable for surrounding materials.
Combustion Products	Some metallic oxides (Zn), carbon oxides (CO, CO2).
Fire Hazards	When heated it emits toxic fumes (Zinc oxide).

Section 6 Accidental Release Measures

Small Spill	Absorb with an inert material and place in an appropriate waste disposal container.
Large Spill	Wear suitable protective clothing, gloves and eye/face protection. Prevent entry into sewers, basements or confined areas. Absorb with DRY earth, sand or other non-combustible material. Recycle to process, if possible.
Personal Protection	
Small Spill	Safety glasses. Gloves.
Large Spill	Splash goggles. Full suit. Boots. Gloves. Wear appropriate respirator when ventilation is inadequate.

Section 7 Handling and Storage

Precaution	Wear suitable gloves and eye/face protection. Avoid contact with eyes, skin, and clothing. Avoid breathing vapors or spray mists.
Storage	Store in a segregated and approved area. Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Store away from incompatible materials.

Section 8 Exposure Controls/Personal Protection

Engineering Controls	Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.
Personal Protection	Safety glasses. Gloves.
Exposure Limits	See Section 2

Section 9 Physical and Chemical Properties

Physical state	Liquid. (Clear)	Odor	Pungent.
pH (1% soln/water)	Not applicable.	Color	Yellow.
Boiling Point	Not available.	Specific Gravity	1.06 (Water = 1)
Vapor Pressure	Not available.	Vapor Density	Not available.
Volatility	Not available.	Viscosity	Not available.
Evaporation rate	<1 compared to Butyl acetate.	Solubility	Insoluble in cold water, hot water.

Section 10 Stability and Reactivity Data



Instability	The product is stable.	Will material polymerize?	Will not occur.
Incompatibles	Reactive with oxidizing agents, acids, alkalis.		
Corrosivity	Non-corrosive in presence of glass, of steel.		

Section 11 Toxicological Information

Routes of Entry	Skin contact. Eye contact.		
Toxicity to Animals	LD50: Not available. LC50: Not available.		
Acute Effects	This product may irritate eyes and skin upon contact. Avoid breathing vapor or mist.		
Chronic Effects	There is no known effect from chronic exposure to this product.		

Section 12 Ecological Information

Ecotoxicity	Not available.		
BOD5 and COD	Not available.		
Biodegradation	Not available.		

Section 13 Disposal Considerations									
Waste Disposal	Recycle, if possible. Dispose of according to all federal, state and local applicable regulations. This product is not considered a RCRA hazardous waste if disposed as recieved.								
Section 14 Transport Information									
DOT Description - Bulk	Not regulated by DOT.								
DOT Description - Non-Bulk	Not regulated by DOT.								
Reportable Quantity	CERCLA: Hazardous substances.: No products were found.								
WHMIS	CLASS D-2B: Material causing other toxic effects (TOXIC).								
WHMIS(Canada) Pictogram									
TDG(Canada) Pictogram									
Section 15 Other Regulatory Information									
USA Regulatory Lists	<u>SARA 313 toxic chemical notification and release reporting</u> : Zinc compounds (as Zn) 12.5% New Jersey TSRN Number: Not available.								
SARA 313	<u>SARA 313 toxic chemical notification and release reporting</u> : Zinc compounds (as Zn) 12.5% Total Zinc compounds: 40 - 50%								
HMIS (U.S.A.)	<table border="1"> <tr> <td>Health Hazard</td> <td>1</td> <td>Fire Hazard</td> <td>0</td> <td>Reactivity</td> <td>0</td> <td>Personal Protection</td> <td>B</td> </tr> </table>	Health Hazard	1	Fire Hazard	0	Reactivity	0	Personal Protection	B
Health Hazard	1	Fire Hazard	0	Reactivity	0	Personal Protection	B		
TSCA 8(b) inventory	TSCA (Toxic Substance Control Act): This product or its components are listed on the TSCA Inventory.								
CEPA	Canadian environmental protection act (CEPA): This product or its components appear on the Domestic Substances List (DSL).								
EINECS Status	EINECS: This product or its components appear on the European Inventory of Existing Commercial Chemical Substances.								

Section 16 Other Information	
References	Not available.
Issued on 10/5/2000.	Printed 10/5/2000.
	MSDS PAD WH V3.1.1 Therm-Chek ®

Notice to Reader

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.

Instructions to the customer/purchaser.

This MSDS contains important environmental, safety and health information for your employees who will be using this product. Please give this information to them. If you resell this product, give a copy of this MSDS to the buyer.