

NFPA	OSHA HCS Risk Phrases	Personal Protective Equipment
	<p>CLASS: Irritating substance. CLASS: Combustible liquid having a flash point between 37.8°C (100°F) and 93.3°C (200°F).</p>	

Section 1 Chemical Product and Company Identification

Common Name/ Trade Name	Therm-Chek® 120	
Manufacturer	Ferro Corporation, Polymer Additives Division Walton Hills Operation 7050 Krick Road Walton Hills, Ohio 44146-4494 USA	<p style="text-align: center;"><u>Emergency Phone Numbers</u></p> <p>CHEMTREC: 1-800-424-9300</p> <p>24 Hour Information: 1-216-641-5324</p> <p>Plant-Week Days Only: 1-216-750-6708</p> <p>Issued on 11/12/2001.</p>
Chemical Name	Barium, 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) Mineral Spirits	64742-47-8	5-10	TWA: 100 (ppm) from OSHA (PEL) [United States] TWA: 100 (ppm) from ACGIH (TLV) [United States] TWA: 0.5 (mg/m ³) from ACGIH (TLV) [United States]
2) Barium, soluble compounds (as Ba)		1-5	
3) Trimethylbenzene	95-63-6	1-5	TWA: 100 STEL: 125 (ppm) from OSHA (PEL) [United States] TWA: 100 STEL: 125 (ppm) from ACGIH (TLV) [United States]
4) Zinc compounds (as Zn)		1-5	Not available.
5) Xylene	1330-20-7	<1	STEL: 150 (ppm) from OSHA (PEL) [United States] STEL: 150 (ppm) from ACGIH (TLV) [United States] TWA: 100 from OSHA (PEL) [United States] TWA: 100 (ppm) from ACGIH (TLV) [United States]

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

Section 3 Hazards Identification

Emergency Overview	Color : Red amber.
CAUTION!	Physical state : Liquid. (Clear sparkling liquid.)
	Odor : Solvent-like.

COMBUSTIBLE LIQUID AND VAPOR. MAY CAUSE EYE AND SKIN IRRITATION. MAY BE HARMFUL IF INHALED.

Potential Health Effects



Acute	This product may irritate eyes and skin upon contact. Avoid breathing vapor or mist. May cause respiratory tract irritation.
Chronic	Repeated or prolonged inhalation of vapors may lead to chronic respiratory irritation. Repeated or prolonged exposure to the substance can produce nervous system effects. Repeated skin exposure can produce dermatitis.

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.

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Section 5 Fire and Explosion Data			
Flash Point	CLOSED CUP: 65°C (149°F). (Pensky-Martens.)		
Flammability	Combustible.		
Fire Fighting Media and Instructions	SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet. Qualified persons wearing full fire-fighting suits and approved/certified self-contained breathing apparatus.		
Combustion Products	Some metallic oxides (Ba, Zn). carbon oxides (CO, CO ₂)		
Fire Hazards	Vapor may travel considerable distance to source of ignition and flash back. When heated to decomposition it emits toxic fumes.		
Section 6 Accidental Release Measures			
Small Spill	Absorb with an inert material and place in an appropriate waste disposal container.		
Large Spill	Combustible material. Wear suitable protective clothing, gloves and eye/face protection. Prevent entry into sewers, basements or confined areas; dike if needed. Keep away from heat, sparks and flame. Absorb with DRY earth, sand or other non-combustible material.		
Personal Protection			
Small Spill	Safety glasses. Gloves. Wear appropriate respirator when ventilation is inadequate.		
Large Spill	Splash goggles. Full suit. Boots. Gloves. Wear appropriate respirator when ventilation is inadequate.		
Section 7 Handling and Storage			
Precaution	Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not breathe gas, fumes, vapor, or spray. Wear suitable protective clothing. Keep away from incompatibles such as oxidizing agents, acids, alkalis. May react in presence of moisture.		
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. Avoid all possible sources of ignition (spark or flame). 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. Wear appropriate respirator when ventilation is inadequate.		
Exposure Limits	See Section 2		
Section 9 Physical and Chemical Properties			
Physical state	Liquid. (Clear sparkling liquid.)	Odor	Solvent-like.
pH (1% soln/water)	Not applicable.	Color	Red amber.
Boiling Point	Not available.	Specific Gravity	1.02 (Water = 1)
Vapor Pressure	Not available.	Vapor Density	Not available.
Volatility	16% (w/w).	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. Avoid getting product wet. Product can be hydrolyzed by moisture with the production of aliphatic alcohol, phenol, and phosphorous acid.		
Corrosivity	Not considered to be corrosive for metals and glass according to our data base.		

Section 11 Toxicological Information									
Routes of Entry	Skin contact. Eye contact. Inhalation.								
Toxicity to Animals	Acute oral toxicity (LD50): >3280 mg/kg [Rat]. (Trimethylbenzene).								
Acute Effects	This product may irritate eyes and skin upon contact. Avoid breathing vapor or mist. May cause respiratory tract irritation.								
Chronic Effects	Repeated or prolonged inhalation of vapors may lead to chronic respiratory irritation. Repeated or prolonged exposure to the substance can produce nervous system effects. Repeated skin exposure can produce dermatitis.								
Section 12 Ecological Information									
Ecotoxicity	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 considered a RCRA hazardous waste if disposed as recieved. Barium - D005.								
Section 14 Transport Information									
DOT Description - Bulk	Combustible liquid, n.o.s. (naphtha), NA1993, III.								
DOT Description - Non-Bulk	Not regulated by DOT.								
Reportable Quantity	<u>CERCLA: Hazardous substances:</u> Xylene: 100 lbs. (45.36 kg);								
WHMIS	CLASS B-3: Combustible liquid with a flash point between 37.8°C (100°F) and 93.3°C (200°F). CLASS D-2B: Material causing other toxic effects.								
WHMIS(Canada) Pictogram									
TDG(Canada) Pictogram									
Section 15 Other Regulatory Information									
State Regulations	<u>Rhode Island RTK hazardous substances:</u> Xylene <u>Pennsylvania RTK:</u> Mineral Spirits; Trimethylbenzene; Xylene <u>Florida:</u> Mineral Spirits; Xylene <u>Minnesota:</u> Mineral Spirits; Xylene <u>Massachusetts RTK:</u> Mineral Spirits; Trimethylbenzene; Xylene <u>New Jersey:</u> Mineral Spirits; Trimethylbenzene; Xylene <u>California prop. 65:</u> No products were found. New Jersey TSRN Number: 800940-5070-P								
Reportable Quantity	<u>CERCLA: Hazardous substances:</u> Xylene: 100 lbs. (45.36 kg);								
SARA 313	<u>SARA 313 toxic chemical notification and release reporting:</u> Barium, soluble compounds (as Ba) 3%; Trimethylbenzene 3%; Zinc compounds (as Zn) 3% Total Barium compounds: 1 - 10% Total Zinc compounds: 10 - 20%								
HMIS (U.S.A.)	<table border="1"> <tr> <td>Health Hazard</td> <td>1</td> <td>Fire Hazard</td> <td>2</td> <td>Reactivity</td> <td>0</td> <td>Personal Protection</td> <td>C</td> </tr> </table>	Health Hazard	1	Fire Hazard	2	Reactivity	0	Personal Protection	C
Health Hazard	1	Fire Hazard	2	Reactivity	0	Personal Protection	C		
TSCA 8(b) inventory CEPA EINECS Status	TSCA (Toxic Substance Control Act): This product or its components are listed on the TSCA Inventory. Canadian environmental protection act (CEPA): This product or its components appear on the Domestic Substances List (DSL) 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 11/12/2001.	Printed 11/12/2001.
	M_U WH 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.