



FERRO CORPORATION - POLYMER ADDITIVES DIVISION
1000 WAYSIDE ROAD, CLEVELAND, OH 44110 Ph. (216) 531-6010

MATERIAL SAFETY DATA SHEET

1. PRODUCT IDENTIFICATION

- BRAND NAME: THERM CHEK® 5650
- CHEMICAL NAME: PVC POWDER STABILIZER
- CAS NUMBER: N/A, MIXTURE
- FORMULA: N/A, MIXTURE
- DOT HAZARD CLASS: NONE
- REPORTABLE QUANTITY: NONE
- HMIS RATING: HEALTH (1) FLAMMABILITY (1) REACTIVITY (0)
- ALL INGREDIENTS ARE LISTED ON THE TSCA INVENTORY

2. HAZARDOUS INGREDIENTS

<u>CHEMICAL NAME</u>	<u>CAS NUMBER</u>	<u>OSHA PEL</u>	<u>HAZARDOUS INGREDIENTS</u> <u>ACGIH TLV</u>
THERM CHEK® 5650			
TOTAL DUST		15mg/m ³	10mg/m ³
RESPIRABLE DUST		5mg/m ³	3mg/m ³

THE EXACT CHEMICAL IDENTITIES ARE BEING WITHHELD AS A TRADE SECRET.

3. PHYSICAL AND CHEMICAL PROPERTIES

- STATE: SOLID
- MELTING POINT: N/A
- BOILING POINT: N/A
- VAPOR DENSITY: N/A
- SPECIFIC GRAVITY (H₂O = 1): > 1.0
- WATER SOLUBILITY: NEGLIGIBLE
- APPEARANCE AND ODOR: WHITE POWDER, MILD FATTY ODOR

4. REACTIVITY DATA

- STABILITY: STABLE
- CONDITIONS TO AVOID: NONE
- INCOMPATIBLE MATERIALS: STRONG OXIDIZING AGENTS
- DECOMPOSITION PRODUCTS: CO₂, ZnO, CaO
- POLYMERIZATION POTENTIAL: WILL NOT OCCUR.

MARKETED BY
**HARWICK STANDARD
DISTRIBUTION CORPORATION**
60 S. Seiberling Street • Akron, Ohio 44305

5. **PHYSICAL HAZARD INFORMATION**

- FLASH POINT: > 500° F (PMCC)
- FLAMMABLE LIMITS: UNKNOWN
- EXTINGUISHING MEDIA: WATER SPRAY OR FOG, CO₂, FOAM, DRY CHEMICAL.
- SPECIAL FIRE FIGHTING PROCEDURES: NONE
- COMBUSTION BY PRODUCTS: CO₂, ZnO, CaO

6. **HEALTH HAZARD INFORMATION**

- **PRECAUTIONARY INFORMATION:** AS WITH ANY CHEMICAL, AVOID CONTACT WITH SKIN AND EYES. DO NOT INGEST. USE WITH ADEQUATE VENTILATION.

- **PRIMARY ROUTES OF EXPOSURE:**

INHALATION: YES
SKIN ABSORPTION: NO
INGESTION: YES
SKIN AND EYE CONTACT: YES

INHALATION - DUST MAY CAUSE IRRITATION OF THE NOSE, THROAT AND UPPER RESPIRATORY TRACT.

SKIN - MAY CAUSE IRRITATION WITH PROLONGED AND/OR REPEATED CONTACT.

INGESTION - MAY CAUSE GASTROINTESTINAL DISCOMFORT IF SWALLOWED.

EYE CONTACT - MAY CAUSE IRRITATION WITH CONTACT.

EMERGENCY FIRST AID PROCEDURES

INHALATION - REMOVE TO FRESH AIR.

SKIN - WASH WITH MILD SOAP AND WATER.

INGESTION - AS A PRECAUTIONARY MEASURE, CONSULT PHYSICIAN IF SWALLOWED.

EYES - FLUSH WITH WATER FOR AT LEAST 15 MINUTES. REMOVE ANY CONTACT LENSES TO ENSURE THOROUGH FLUSHING. CONSULT PHYSICIAN IF IRRITATION PERSISTS.

7. **ENGINEERING CONTROLS AND PERSONAL PROTECTIVE EQUIPMENT**

VENTILATION: RECOMMENDED TO CONTROL EXPOSURE TO BELOW RECOMMENDED LIMITS.

PERSONAL PROTECTIVE EQUIPMENT

<u>DEGREE OF EXPOSURE</u>	<u>EYE</u>	<u>SKIN</u>	<u>RESPIRATORY</u>
I CLOSED SYSTEM (REMOTE)	A	A	NONE
II OCCASIONAL (INFREQUENT)	A	A	NONE
III REPEATED & PROLONGED B	B	A	
IV SPILLS (GROSS CONTACT)	B	B	A

KEY FOR PERSONAL PROTECTIVE EQUIPMENT

EYE

- A SAFETY GLASSES
- B CHEMICAL GOGGLES
- C GAS TIGHT GOGGLES

SKIN

- A ORDINARY WORK CLOTHES
- B IMPERVIOUS CLOTHING
- C IMPERVIOUS AND GAS TIGHT

RESPIRATORY PROTECTION (NIOSH APPROVED)

- A HALF MASK FOR PARTICULATE
- B FULL FACE W/CANISTER
- C FULL FACE W/SUPPLIED AIR

8. **PRECAUTIONS FOR SAFE HANDLING AND STORAGE**

STORE IN A COOL, DRY AREA AWAY FROM HEAT, SPARK OR FLAME. AVOID SKIN AND EYE CONTACT. WASH HANDS AFTER HANDLING. WEAR PROPER PERSONAL PROTECTIVE EQUIPMENT.

SPILLS/LEAKS/RELEASES:

WORKPLACE RELEASE: REMOVE IGNITION SOURCES. SHOVEL INTO DRUMS. DISPOSAL SHOULD BE IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.

SOIL RELEASE: TREAT THE SAME AS A WORKPLACE RELEASE.

WATER RELEASE: NOTIFICATION OF THE PROPER GOVERNMENT AGENCY MAY BE APPROPRIATE.

AIR RELEASE: AVOID RAISING DUST CLOUDS. DUST EXPLOSION CAN OCCUR UNDER CONDITIONS OF HIGH DUST CONCENTRATION IN THE PRESENCE OF ANY IGNITION SOURCE.

9. **SECTION 313 SUPPLIER NOTIFICATION**

SECTION 313 SUPPLIER

THIS PRODUCT CONTAINS THE FOLLOWING TOXIC CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF THE EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW ACT OF 1986 AND OF 40 CFR 372:

<u>CAS #</u>	<u>CHEMICAL NAME</u>	<u>PERCENT BY WEIGHT</u>
N/A	ZINC COMPOUNDS	60-70%
N/A	ZINC COMPOUNDS AS ZINC	5-10%

THIS INFORMATION MUST BE INCLUDED IN ALL MSDSs THAT ARE COPIED AND DISTRIBUTED FOR THIS MATERIAL.

FOR ADDITIONAL INFORMATION TELEPHONE:.....(216) 531-6010

<u>DATE OF ISSUE</u>	<u>DATE REVISED</u>	<u>REPLACES</u>
08/20/98	N/A	N/A

UNK = UNKNOWN
N/A = NOT APPLICABLE

> = GREATER THAN
< = LESS THAN