

SAFETY DATA SHEET

(Revision: 6/13/2019; Supersedes: 01/25/2017)

FETY DATA SHEET		(Re	evision: 6/13/2019; Supersedes: 01/25/2013
. Identification			
 Product Type: Phosphat 	te Casting Inve	stment	
Trade Names:			
AccuVest	Cera-Fina	Ceramigold	FastFire 15
Formula 1	Hi-Temp	PC 15	PowerCast
Polyvest	Ti21	V.H.T. Industrial	X-20
ResinVest			
Emergency Fax Number	ton Ave. entucky, USA Telephone Nu : (502) 634-45	mber: (502)-637-14 12	
		0 (U.S. and Canada	
Emergencies: International	Calls: 1- 703-5	527-3887 (Collect ca	lls accepted)
OSHA/WHMIS/GHS Classif	ication:		
Health Hazards		Physical Haz	
Specific Target Organ Toxic	city – Repeat	Not Hazardou	IS
Exposure Category 1			
Carcinogen Category 1A			
Hazard Statements:			
May cause cancer if inhaled.			
Causes damage to lung thro		or repeated exposur	e by inhalation.
0 0	0 1 0		
Precautionary Statements:			
Obtain special instructions be			
Do not handle until all safety	precautions ha	ive been read and ur	nderstood.
Do not breathe dust. Wash thoroughly after handli	na		
Do not eat, drink or smoke w		product	
Wear protective gloves and e			
		ntion.	
IF exposed or concerned: Ge			
IF exposed or concerned: Ge Get medical attention if you fe			
Get medical attention if you for Store locked up.	eel unwell.		
Get medical attention if you fe	eel unwell.	lance with local and	national regulations.
Get medical attention if you for Store locked up. Dispose of contents and cont	eel unwell. ainer in accord	lance with local and	national regulations.
Get medical attention if you for Store locked up. Dispose of contents and cont	eel unwell. ainer in accorc ngredients.	lance with local and	
Get medical attention if you for Store locked up. Dispose of contents and cont Composition/Information on In <u>Substance</u>	eel unwell. ainer in accord ngredients. <u>CAS No.</u>		<u>%</u>
Get medical attention if you for Store locked up. Dispose of contents and cont Composition/Information on In <u>Substance</u> Silica, Crystalline, Quartz	eel unwell. ainer in accord ngredients. <u>CAS No.</u> 14808-60	-7	<u>%</u> 0-75
Get medical attention if you for Store locked up. Dispose of contents and cont Composition/Information on In <u>Substance</u>	eel unwell. ainer in accord ngredients. <u>CAS No.</u>	-7 -1	<u>%</u>

Phosphates	Mixture	1-40	
Aluminum Oxide	1344-28-1	0-5	
Graphite	7782-42-5	0-5	
Glass Fibers	65977-17-3	0-2	

4. First-Aid Measures.

Inhalation: Remove exposed person to fresh air. If irritation or other symptoms persist, get medical attention. **Eyes:** Flush with large quantities of water, holding the eyelids apart. If irritation persists consult a physician.

Skin: No first aid is generally required. Wash skin with soap and water.

Ingestion: May cause gastrointestinal discomfort and intestinal blockage. If swallowed, drink 1 or 2 glasses of water to dilute. Never give anything by mouth to an unconscious or convulsing person. Get immediate medical attention.

Most important symptoms/effects, acute and delayed: May cause eye irritation. Inhalation of dust may cause mucous membrane and respiratory irritation. When mixed with water, this material hardens and becomes very hot – may cause burns.

Indication of Any Immediate Medical Attention and Special Treatment Needed: Immediate medical attention is required for ingestions.

5. Fire-Fighting Measures.

Suitable (and unsuitable) Extinguishing Media: Use media appropriate for surrounding fire. Water may cause product to solidify.

Specific Hazards Arising From the Chemical: The product does not burn but may decompose producing phosphorus oxides.

Special Protective Equipment and Precautions for Fire-fighters: Firefighters should wear full emergency equipment and approved positive pressure self-contained breathing apparatus. Cool fire exposed containers with water.

6. Accidental Release Measures.

Personal Precautions, Protective Equipment and Emergency Procedures: Wear appropriate protective clothing as described in Section 8.

Environmental Hazards: Report releases as required by local and national authorities.

Methods and Materials for Containment and Cleaning up: Collect using dustless method (HEPA vacuum or wet method) and place in appropriate container for use. Do not use compressed air.

7. Handling and Storage.

Precautions for Safe Handling: Avoid contact with eyes. Do not breathe dust. Wear protective clothing and equipment as described in Section 8. Use with adequate ventilation and proper dust collection methods to keep exposure level below occupational exposure limits. Wash thoroughly with soap and water after handling. Keep containers closed when not in use.

Conditions for Safe Storage, including Any Incompatibilities: Store in a cool, dry, well-ventilated area away from incompatible materials. Protect from physical damage

8. Exposure Controls/Personal Protection.

Occupational Exposure Limits:

0.05 mg/m ³ TWA OSHA PEL	
0.025 mg/m ³ TWA TLV (respirable fraction)	
0.025 mg/m ³ TWA OSHA PEL	
0.025 mg/m ³ TWA TLV (respirable fraction)	
5 mg/m ³ TWA OSHA PEL	
5 mg/m ³ TWA, 10 STEL ACGIH TLV	
5 mg/m ³ TWA OSHA PEL (respirable fraction)	
15 mg/m ³ TWA OSHA PEL (total dust)	
5 mg/m ³ TWA OSHA PEL (respirable fraction)	
15 mg/m ³ TWA OSHA PEL (total dust)	
15 mppcf TWA OSHA PEL	
2 mg/m3 TWA ACGIH TLV (respirable)	
1 f/cc TWA ACGIH TLV (as synthetic vitreous fibers)	

Refer to local regulations for exposure limits not listed above.

Appropriate engineering controls: Use with adequate local exhaust ventilation to maintain exposures below the occupational exposure limits.

Respiratory protection: If the exposure limits are exceeded a NIOSH approved particulate respirator appropriate for

the form and concentration of the contaminants should be used. Selection and use of respiratory equipment must be in accordance with OSHA 1910.134 or other applicable regulations and good industrial hygiene practice. **Skin protection:** For prolonged use or in dusty conditions, wear rubber gloves. **Eye protection:** Chemical safety goggles if needed to avoid eye contact. **Other:** Impervious clothing as needed to avoid contamination of personal clothing.

9. Physical and Chemical Properties.

Appearance: Powder, with variety of colors Odor: Odorless.

Odor threshold: Not applicable Melting point/freezing point: Not applicable Flash point: Not applicable Flammability (solid, gas): Not applicable Flammable limits: LEL: Not applicable Vapor pressure: Not applicable Relative density: Not applicable Partition coefficient: n-octanol/water: Not available Decomposition temperature: Not available pH: Not applicableBoiling point: Not applicableEvaporation rate: Not applicable

UEL: Not applicable Vapor density (air = 1): Not applicable Solubility In Water: Not applicable Auto-ignition temperature: Not applicable Viscosity: Not applicable

10. Stability and Reactivity.

Reactivity: None known.

Chemical stability: Stable

Possibility of hazardous reactions: None known.

Conditions to avoid: None known.

Incompatible materials: Incompatible with hydrofluoric acid.

Hazardous decomposition products: Crystalline silica will dissolve in hydrofluoric acid and produce silicone tetrafluoride.

11. Toxicological Information.

Eyes: Dust may cause mechanical irritation and possible injury.

Skin: Dust may cause irritation.

Ingestion: No adverse effects expected for normal, incidental ingestion. Large amounts may cause gastrointestinal blockage and discomfort.

Inhalation: Inhalation of dust may cause irritation to the nose, throat and upper respiratory tract with coughing and shortness of breath.

Chronic Health Effects: Excessive inhalation of respirable crystalline silica dust may cause may cause a progressive, disabling and sometimes fatal lung disease called silicosis. Symptoms include cough, shortness of breath, wheezing, non-specific chest illness and reduced pulmonary function.

Carcinogenicity: Crystalline silica quartz is listed as "Carcinogenic to Humans" (Group 1) by IARC and "Known to be a Human Carcinogen" by NTP. None of the other components of this product are listed as carcinogens by OSHA, IARC or NTP.

Acute Toxicity Data:

Silica, Crystalline, Quartz: Oral rat LD50 >22,500 mg/kg Silica, Crystalline, Cristobalite: No toxicity data available Zirconium Silicate: No toxicity data available Aluminum Oxide: Oral rat LD50 15900 mg/kg, Inhalation rat LC50 7.6 mg/L/1 hr Graphite: Oral rat LD50 >2000 mg/kg, Inhalation rat LC50 >2000 mg/m3 (no deaths occurred) Phosphates: No toxicity data available Glass Fibers: Oral rat LD50 >2000 mg/kg

12. Ecological Data.

Ecotoxicity:

Silica, Crystalline, Quartz: 72 hr LC50 Carp - >10,000 mg/L Silica, Crystalline, Cristobalite: No data available Zirconium Silicate: No data available Aluminum Oxide: 96 hr LC50 Pimephales promelas 35 mg/L Graphite: 96 hr EC50 Danio rerio >100 mg/L, 48 hr EC50 daphnia magna >100 mg/L, 72 hr EC50 Pseudokirchnerella subcapitata >100 mg/L Phosphates: No data available Glass Fibers: No data available

Persistence and degradability: Biodegradation is not applicable to inorganic substances.

13. Disposal Considerations.

Dispose in accordance with all national and local regulations.

14. Transport Information.

US DOT: Not Regulated

Canada TDG: Not Regulated

IMDG: Not Regulated

IATA/ICAO: Not Regulated

Special precautions: Not applicable Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code): Not applicable – product is transported only in packaged form

15. Regulatory Information.

Safety, health, and environmental regulations specific for the product in question

US Regulations

SARA Section 313 (40 CFR 372): This product contains the following toxic chemical(s) subject to reporting requirements of SARA 313: None

SARA Section 311/312 (40 CFR 370) Hazard Categories: Refer to Section 2 for the OSHA Hazard Classification.

Comprehensive Environmental Response and Liability Act of 1980 (CERCLA): This product is not subject to CERCLA reporting requirements. Many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

Toxic Substances Control Act (TSCA): All of the components of this product are listed on the TSCA inventory

California: WARNING: This product can expose you to chemicals including Silica, Crystalline, Quartz; Titanium Dioxide; Uranium; and Thorium, which are known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

16. Other Information.

• HMIS Rating: Health 1* Flammability 0 Reactivity 0 Other 0 Hazard: 4-Severe; 3-Serious; 2-Moderate; 1-Slight; 0-Minimum

SDS Revision History:

1/10/15: Sections 1-16.

12/19/16: Sections 1-16.

1/25/17: Updated format.

6/13/19: Sections 2, 8, and 15 updated.

Prepared By: Denese A. Deids	Translated By:
Date: 6/13/2019	Date: