



767 Chapman Lake Drive - Warsaw, IN 46852

MATERIAL SAFETY DATA SHEET

Section 1 Product Identification

Product Code: CCPSTI Series Products Date Prepared: June 7, 2007
 Description: White Polystyrene Concentrate
 Alternate Emergency Phone Number: 574-527-9957

Section 2 Composition, Information on Hazardous Ingredients

Chemical Common Name	CAS Number	OSHA PEL	ACGIH TLV	OTHER	mm Hg @ Temp	NTP	IARC	OSHA	PROP 65	TSCA	313
TITANIUM DIOXIDE	13463-67-7	15MG/M3*	10MG/M3*	TWA10MG/M3		N	Y	N	N	Y	N

Components on TSCA list. *indicates dust and mist
 Titanium Dioxide is classified by IARC as possibly carcinogenic to humans (Group 2B)

Section 3 Hazards Identification

Inhalation Signs and Symptoms of Exposure

None known, Dust is basically inert

Skin and Eye Contact Signs and Symptoms of Exposure

None known. Abrasive irritation is expected if in eyes

Skin Absorption Signs and Symptoms of Exposure

None likely to occur

Ingestion Signs and Symptoms of Exposure

None known

Carcinogenicity

Titanium Dioxide has been classified by IARC as possibly carcinogenic to humans (Group 2B) based on animal studies. The IARC reclassification was based on two studies in which rates were exposed to extremely high concentrations of TiO₂ in a closed chamber for extended periods of time. The agency's classification system requires it to classify a material as carcinogenic based on the results of animal studies even though multiple real-world epidemiological studies found no association between TiO₂ and lung cancer in humans.

Health Hazards (Both Acute and Chronic)

No known health hazards. Emergency and first aid procedures:
 Molten resins: If molten material comes in contact with the skin, cool under running stream of water. DO NOT attempt to remove the resin from the skin. Removal could result in severe tissue damage. Get medical attention.

Section 4 First Aid Measures

First Aid for Skin

Molten Resins: Cool under running stream of water. Do not attempt to remove from skin. Get medical attention.

First Aid for Eyes

This product is a solid. If in eye, remove as one would any foreign object.

First Aid for Inhalation and Ingestion

In case of adverse exposure to vapors and/or aerosols formed at elevated temperatures, immediately remove victim from exposure. Administer artificial respiration if breathing stopped. Get medical attention. Ingestion not anticipated.

Section 5 Fire Fighting Measures

Foam	Alcohol Foam	CO2	Dry Chemical	Water Fog	Other	Flash Point	Flash Method
YES	YES	YES	YES	YES	NO		

Special Firefighting Procedure

Standard procedures for class A fires

Unusual Fire and Explosion Hazards

Product as shipped is not a flammable dust. However, it can be a flammable dust when fines less than 200 mesh are suspended in air.

Section 6 Accidental Release MeasuresAccidental Release Measures

Sweep up spilled material for use or disposal

Section 7 Handling and StorageHandling and Storage

Keep away from sparks and open flame. This product may react with strong oxidizing agents and should not be stored near such materials. Store in a sprinklered warehouse.

Ventilation (Local Exhaust, Mechanical, Special, Other)

Recommended over extruders

Other Precautions

Use local ventilation

Section 8 Exposure Controls, Personal ProtectionRespiratory Protection

Appropriate respirator selected and used in accordance with OSHA Subpart 1 (29 CFR 1910.134) required when exposure to airborne contaminant is likely to exceed limits for nuisance dusts.

Ventilation

Recommended over extruders

Protective Gloves

Recommended

Eye Protection

Safety glasses with side shields recommended

Other Protective Clothing or Equipment

Use local ventilation

Work/Hygienic Practices

Use good industrial hygiene practices

Section 9 Physical and Chemical Properties

Boiling Range	Vapor Density	Evaporation Rate	Soluble	Tech Shipping Name
N/A	Lighter than Air	Slower than Ether	Negligible	

Section 10 Stability and ReactivityStability

Stable

Hazardous Polymerization

Will not occur

Incompatibility (Materials to Avoid):

Strong oxidizing agents

Hazardous Decomposition or by products

None known

Section 11 Toxicological Information

Ingestion

Please refer to section three for any available information on potential health effects. None expected from the pellet form.

Skin

Please refer to section three for any available information on potential health effects.

Eye

Please refer to section three for any available information on potential health effects.

Inhalation

Negligible hazard at ambient temperature (0-100 Deg. F). Vapors and aerosols may be formed at elevated temperatures.

Section 12 Ecological Information

Ecological Information

Plastic pellets are defined by US EPA under the Clean Water Act (40CFR 122.26) as a "SIGNIFICANT MATERIAL" which may require a storm water permit.

Section 13 Disposal Considerations

Waste Disposal

See 40 CFR 261. Dispose in accordance with local, state, and federal regulations. State or local hazardous waste regulations may apply if different from the federal.

Section 14 Transportation Information

U.S. Department of Transportation (DOT): Not regulated for this mode of transport.

International Maritime Dangerous Goods (IMDG): Not regulated for this mode of transport

International Air Transportation Authority (IATA): Not regulated for this mode of transport

Section 15 Technical Information

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Section 16 Other Information

Other Information

The information contained herein is believed to be correct and was obtained from sources believed by Rainmaker Polymers to be accurate. However, no guarantee or warranty of any kind expressed or implied is made with respect to the information contained here.