



# MATERIAL SAFETY DATA SHEET

## Composite Ti for Stage Effect

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### SECTION 1: Identification of the substance and of the company

Product Name	Composite Ti for Stage Effect X-SM-P10FT	
Manufacturer/Company	Name	Xstatic Pro, Inc
	Address	55 Hook Road, #46 Bayonne, NJ 07002
	Telephone	718.237.2299
	Fax	718.795.4355
	Email	info@proxdirect.com
Emergency Telephone Number	+1.718.237.2299	

### SECTION 2: Composition Information on ingredients

Composition:

Chemical Name	% by weight	CAS No.	Dimensions	Molecular Formula
Titanium (TI)	80	7440-67-7	180-300um	TI
Zirconium (ZR)	20	7440-32-6		ZR

Note: Abbreviation CAS No. is Chemical Abstract Service Registry Number

### SECTION 3: Hazards identification

Fatalness Grade	In accordance with the Catalog of Hazardous Chemicals of China, the materials are not dangerous goods
Invasion Route	Inhalation
Health Hazards	There is no report of composite Ti for stage effect in industry.
Environment Hazards	No known significant effects.
Burn and Burst Danger	The material is not easy to burn.

### SECTION 4: First Aid measures

Hazard characteristics	Composite Ti for stage effect can burn when in contact with high heat in an open fire and it will burn/continue to burn in carbon dioxide and nitrogen gas.
Harmful combustion product	Titanium (TI)
Suitable extinguishing media	Dry Chemical Extinguishing Agents or Sand
Unsuitable extinguishing media	Water, Foam Extinguisher or Carbon Dioxide (CO2)

### SECTION 6: Accidental release measures

Release Measures	Wear appropriate respiratory and protective equipment specified in special protection section. Isolate spill area and provide ventilation. Vacuum up spill using a high efficiency particulate absolute (HEPA) air filter and place in a closed container for disposal. Take care not to raise dust.
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### SECTION 7: Handling and storage

Precautions for safe handling	Operator must undergo special training & strictly comply with the operating procedures. The operator is recommended to wear self-absorption filter dust masks, chemical safety glasses and chemical gloves. Workspace must be away from fire and heat sources. Always provide sufficient ventilation to maintain concentrations at or below TLV. Avoid producing dust. Avoid contact with acids. Store in a cool dry place in a tightly sealed container.
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Conditions for safe storage	Store in a cool well ventilated warehouse away from fire and heat sources. This should always be stored separately from acids and always avoid mixed storage. Ventilation systems must provide sufficient ventilation to maintain concentrations at or below TLV. The storage area should be equipped with appropriate materials to contain leakage.
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**SECTION 8: Exposure Controls/Personal protection**

MAC (mg/m3)	OSHA PEL: 5mg/m3 as ZIRCONIUM ACGIH TLV: 5mg/m3 as ZIRCONIUM
Monitoring method	Two xylenol orange colorimetry
Engineering control	General special protection not required, but always prevent dust hazards
Respiratory protection	NIOSH approved dust/mist respirator
Eye protection	Wear chemical safety glasses
Body protection	Wear general protective clothing
Hand protection	Wear chemical gloves

**SECTION 9: Physical and chemical properties**

Appearance and properties: Grey/White Grain	PH: N/A
Melting point: 3034 Deg. F (Titanium)	
Relative density (Water=1) 5.7	
Saturated vapor pressure PSI N/A	
Critical temperature (F) N/A	Critical pressure PSI N/A
Ignition temperature (F) N/A	Flash point (F) N/A
Upper explosion limit: N/A	Lower explosion limit: N/A
Solubility: Insoluble in water	
Uses: In the manufacture of nuclear industry and corrosion resistant alloy, used as metallurgical oxygen and as a chemical reagent.	

**SECTION 10: Stability and reactivity**

Stability	Stable
Incompatibility:	Air, oxidizing agents, halogens, halocarbons, mineral acids
Conditions to avoid	Open flame
Polymerization hazard	Will not occur
Decomposition product	None

**SECTION 11: Toxicological information**

Acute toxicity	LD50: no data LC50: no data
Acute poisoning	N/A
Chronic poisoning	N/A
Irritation	Mild irritation
Sub-acute and chronic toxicity	N/A
Mutagenicity	N/A
Teratogenicity	N/A
Carcinogenicity	N/A



## SECTION 12: Ecological information

Eco toxicity	No data available
Biodegradability	N/A
Non-biological degradation	N/A
Biological accumulation	N/A

## SECTION 13: Disposal considerations

Property of waste	N/A
Waste disposal method	Dispose of in accordance with local, state and Federal regulations

## SECTION 14: Transport information

Dangerous goods Number	Not a hazardous material
UN Number	N/A
Packing mark	N/A
Packaging category	N/A
Packing	Galvanized drum with a large diameter seal cover and barrel lined with plastic film. Individual use packages are sealed plastic film.
Transportation note:	Keep away from open flames and high heat sources. Railway transportation prohibits humping.

## SECTION 15: Regulatory information

Dangerous chemical safety management regulations (344 of the State Council, March 15, 2002), workplace safety use chemical regulations (423 decree of the labor department, 1966) and other laws and regulation provide the safe use, production, storage, transportation, loading and unloading of hazardous chemicals. Classification and Marking of Dangerous Chemicals (13690-92 GB) provide composite TI for stage effect as class 5.14 (In case of fire and high temperature material can burn).
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## SECTION 16: Other information

Reference	
Filing time	January 1, 2018
Filing department	Technology & Design Department
Data audit department	Chief Engineering Office
Modification Description	Flammability of Composite Ti for state effects relates to size. The smaller the size, the easier to burn. The size use in the range of 180-300um composite Ti for stage effects is not easy to burn.