

EC #:

## XI'AN FUNCTION MATERIAL GROUP CO., LTD Material Safety Data Sheet

## Iridium

TIMINIII			
1. Product and Company Identification			
Trade Name:	Iridium		
Chemical Formula:	Ir		
Recommended Use:	Scientific res	search and development	
Manufacturer/Supplier:	XI'AN FU	NCTION MATERIAL GROUP CO., LTD	
Street:		zelle Valley, High-Tech Zone	
City:	XI'AN		
State:	Shannxi		
Zip Code:	710077		
Country:	China		
Tel#:	+86-29-889	993870/+86-13519132051	
	2. Hazards	Identification	
Signal Word:	Warning		
Hazard Statements:	H228: Flamr	mable solid	
	P210: Keep away from heat/sparks/open flames/hot surfaces – No		
	smoking		
	P280: Wear	P280: Wear protective gloves/protective clothing/eye protection/face	
	protection		
		P240: Ground/bond container and receiving equipment	
		P241: Use explosion-proof electrical/ventilating/lighting/equipment	
	P370+P378: In case of fire: Use CO <sub>2</sub> , powder or water spray for		
	extinction		
HMIS Health Ratings (0-4):	Powder	Bulk	
Health:	1	0	
Flammability:	2	0	
Physical:	1	0	
	3. Com	position	
Chemical Family:	Metal		
Additional Names:	None		
Iridium (Ir):			
Percentage:	100 wt%		
CAS #:	7439-88-5		

231-095-9

4. First Aid Procedures General Treatment: Seek medical attention if symptoms persist. Special Treatment: None **Important Symptoms:** None Remove victim to fresh air. Supply oxygen if breathing is difficult. Inhalation: Ingestion: Seek medical attention Skin: Wash affected area with mild soap and water. Remove any contaminated clothing. Flush eyes with water, blinking often for several minutes. Remove Eyes: contact lenses if present and easy to do. Continue rinsing 5. Firefighting Measures Flammability: Flammable as powder Extinguishing Media: Do not use water for metal fires – use CO<sub>2</sub>, sand, extinguishing powder. Spec. Fire Fighting Procedure: Use full-face, self-contained breathing apparatus with full protective clothing to prevent contact with skin and eyes. See section 10 for decomposition products. 6. Accidental Release Measures If Material Is Released/Spilled: Wear appropriate respiratory and protective equipment specified in special protection information. 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. **Environmental Precautions:** Isolate runoff to prevent environmental pollution. 7. Handling and Storage Handling Conditions: Wash thoroughly after handling. **Storage Conditions:** Store in a cool dry place in a tightly sealed container. Store apart from materials and conditions listed in section 10. Work/Hygienic Maintenance: Do not use tobacco or food in work area. Wash thoroughly before eating and smoking. Do not blow dust off clothing or skin with compressed air. Provide sufficient ventilation to maintain concentration at or below Ventilation: threshold limit. 8. Exposure Controls and Personal Protection Permissible Exposure Limits: N/A Threshold Limit Value: N/A Special Equipment: None Respiratory Protection: **Dust Respirator** Protective Gloves: Rubber gloves Eve Protection: Safety glasses or goggles

Protective work clothing. Wear close-toed shoes and long

sleeves/pants.

**Body Protection:** 

9. Physical and Chemical Characteristics			
Color	Powder: Black		
r.	Bulk: White/yellow		
Form:	Powder, Granules, Pellets, Sputtering target, Custom parts		
Odor:	Odorless		
Water Solubility:	Insoluble		
Boiling Point:	4428 °C		
Melting Point: Flash Point:	2450 °C		
	N/A N/A		
Autoignition Temperature:			
Density:	22.65 g/cc		
Molecular weight:	192.22 g/mol		
	10. Reactivity		
Stability:	Stable under recommended storage conditions		
Reacts With:	Oxidizing agents		
Incompatible Conditions:	Protect against electrostatic charges		
Hazardous Decomposition Products:	Metal oxide fume		
	11. Toxicological Information		
Potential Health Effects:			
Eyes:	May cause irritation		
Skin:	May cause irritation		
Ingestion:	May cause irritation		
Inhalation:	May cause irritation		
Chronic:	N/A		
Signs & Symptoms:	N/A		
Aggravated Medical Conditions:	N/A		
Median Lethal Dose:	N/A		
Carcinogen:	N/A		
	12. Ecological Information		
Aquatic Toxicity:	Low		
Persistent Bioaccumulation Toxicity:	No		
Very Persistent, Very Bioaccumulative			
Notes:	N/A		

13. Disposal Considerations

Dispose of in accordance with local, state, national, and international regulations.

14. Transportation Data

Hazardous: Hazardous as powder only.



Hazard Class: 4.1 Flammable solids, self-reactive substances and solid desensitized to

explosives

Packing Group:

UN Number: UN3089

Proper Shipping Name: Metal powders, flammable, n.o.s. (Iridium)

15. Regulatory Information

Sec 302 Extremely Hazardous: No Sec 304 Reportable Quantities: N/A Sec 313 Toxic Chemicals: No

## 16. Other Information

This safety data sheet should be used in conjunction with technical sheets. It does not replace them. The information given is based on our knowledge of this product, at the time of publication. It is given in good faith. The attention of the user is drawn to the possible risks incurred by using the product for any other purpose other than that for which it was intended. This does not in any way excuse the user from knowing and applying all the regulations governing his activity. It is the sole responsibility of the user to take all precautions required in handling the product. The aim of the mandatory regulations mentioned is to help the user to fulfill his obligations regarding the use of hazardous products.

Document Last Revised: 09/15/2015