

Plasmaterials, Inc.  
 2268 Research Drive  
 Livermore, CA 94550  
 Ph: (925) 447-4030 Fx: (925) 447-4031  
 http://plasmaterials.com

## MATERIAL SAFETY DATA SHEET

### Section 1- PRODUCT IDENTIFICATION

COMPOSITION <b>Pt</b>	PRODUCT NAME <b>Platinum</b>
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### Section 2- HAZARDOUS INGREDIENTS

Note: Products under normal conditions do not represent an inhalation, ingestion or contact health hazard.

MATERIAL OR COMPONENT	CAS NUMBER	WT%	EXPOSURE LIMITS	
			OSHA PEL (Mg/M3)	ACGIH TLV(MG/M3)
<b>Platinum</b>	<b>7440-06-4</b>	<b>100</b>	<b>1mg/ m<sup>3</sup></b>	<b>1mg/m<sup>3</sup></b>

### Section 3- PHYSICAL DATA

MATERIAL IS (AT NORMAL CONDITIONS) <input type="checkbox"/> Liquid <input checked="" type="checkbox"/> Solid <input type="checkbox"/> Gas <input type="checkbox"/> Other	APPEARANCE AND ODOR <b>White metal, odorless</b>
MELTING POINT (BASE METAL)  <b>1772° C</b>	SPECIFIC GRAVITY  <b>21.45 g/cc</b>

### Section 4- FIRE AND EXPLOSION

Flash Point (Method Used) <b>N/A</b>	Flammable Limits <b>N/A</b>	LEL <b>N.A.</b>	UEL <b>N.A.</b>
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#### EXTINGUISHING MEDIA

**Use foam, carbon dioxide or dry chemical.**

#### SPECIAL FIRED FIGHTING PROCEDURES

**Wear NIOSH/MSHA approved positive-pressure self-contained breathing apparatus and protective clothing as specified in 29CFR 191.156**

#### UNUSUAL FIRE AND EXPLOSION HAZARDS

**Not a fire or explosion hazard.**

## Section 5- REACTIVITY DATA

### STABILITY

**Generally considered stable**

### INCOMPATIBILITY (MATERIALS TO AVOID)

**Strong oxidizers, organic materials.**

### CONDITIONS TO AVOID

**None**

### HAZARDOUS DECOMPOSITION PRODUCTS

**None expected**

## Section 6- HEALTH HAZARD GUIDE

### MAJOR EXPOSURE HAZARD

**Inhalation**    **Skin**    **Skin Absorption**    **Eye Contact**    **Ingestion**

### EFFECTS OF OVEREXPOSURE

**INHALATION:** Inhalation of dust may cause irritation of the respiratory tract with coughing, wheezing and difficulty breathing.

**INGESTION:** No adverse effects expected.

**SKIN:** May cause irritation and allergic reaction.

**EYE CONTACT:** May cause irritation.

**CARCINOGENICITY:** NTP? No                      IARC? No                      OSHA? No

**CHRONIC HEALTH HAZARDS:** None known.

**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:** None known.

### EMERGENCY & FIRST AID PROCEDURES

**INHALATION:** Remove from exposed area to fresh air immediately; keep warm and quiet, give oxygen if breathing is difficult. Seek medical attention.

**INGESTION:** Give 1-2 glasses of milk or water and induce vomiting. Seek medical attention if symptoms persist. Never induce vomiting or give anything by mouth to an unconscious person.

**SKIN CONTACT:** Remove contaminated clothing; brush material off skin. Wash affected area with soap or mild detergent and large amounts of water until no evidence of the chemical remains. Seek medical attention if irritation persists..

**EYE CONTACT:** Flush eyes with lukewarm water lifting up the upper and lower lids for at least fifteen minutes. If irritation develops call a physician.

## Section 7- SPILL OR LEAK PROCEDURES

### SPILL OR LEAK PROCEDURES

**Wear appropriate respiratory and protective equipment. Isolate the area where the spill occurred and provide ventilation. Vacuum up the spill using a high efficiency particulate absolute (HEPA) air filter and place in a closed container for proper disposal or reclamation. Take care not to raise dust.**

### WASTE DISPOSAL METHODS

**Observe all federal, state and local regulations when storing, disposing or for reclamation.**

## Section 8- SPECIAL PROTECTION

RESPIRATORY

**NIOSH/MSHA approved dust respirator if dust is generated.**

VENTILATION

**General; local exhaust ventilation as necessary to control any air contaminants to within their PELs or TLVs during the use of this product.**

EYE PROTECTION & PROTECTIVE CLOTHING

**Wear Safety glasses with side shields for eyes. Appropriate chemical resistant gloves should be worn. Body protection as necessary to prevent skin contact.**

## Section 9- SPECIAL PRECAUTIONS

**WORK/HYGIENIC/MAINTENANCE PRACTICES:**

**Implement engineering and work practice controls to reduce and maintain concentration of exposure at low levels. Use good housekeeping and sanitation practices. Do not use tobacco, food or drink in work area. Wash thoroughly before eating or smoking. Do not blow dust off clothing or skin with compressed air.**

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