

**1. IDENTIFICATION OF PRODUCT AND COMPANY:**
**1.1 Product Identity / Trade Name:**

Platinum Original Saw Wheels – Metal Application

**1.2 Application**

Abrasive wheel for cutting metals.

**1.3 Company:**

Company: Platinum North America

 Address : 3922 - 51 Avenue NW  
 Edmonton, AB  
 T6B 3T5 CANADA

 Phone: 780-461-6293  
 Fax: 780-468-1946  
 E-mail: info@platinumna.com

**2. HAZARDOUS INGREDIENTS / IDENTITY INFORMATION**

Chemical Name (Common Name)	CAS#	OSHA PEL	OSHA REG. Y/N	ACGIH TLV	OSHA Carcinogen (Y/N)	Max.%
Alumina (Aluminum Oxide)	1344.28.1	10mg/m <sup>3</sup>	Y	10 mg/m <sup>3</sup>	N	90%
Iron Oxide (Iron Oxide)	1309.37.1	10mg/m <sup>3</sup>	Y	5mg/m <sup>3</sup>	N	.05%
Silicon Dioxide (Silicon Oxide)	7631.86.9	6mg/m <sup>3</sup>	Y	***NAIF	N	4%
Sodium-Hexafluoro (Cryolite)	15096.52.3	***NAIF	Y	2.5mg/m <sup>3</sup>	N	7%
Calcium Metasil (Wallastonite)	13983.17.0	***NAIF	Y	***NAIF	N	3%
Prepreg Fiber (Fiberglass)	***NAIF	***NAIF	Y	10 mg/m <sup>3</sup>	N	5%

**3. PHYSICAL / CHEMICAL CHARACTERISTICS**

Boiling Point:	**N/A
Vapor Pressure (mm Hg.):	**N/A
Vapor Density (AIR=1):	**N/A
Solubility in Water:	Slight
Specific Gravity (H2O=1):	2.0
Melting Point:	900 degrees fahrenheit
Evaporation Rate (Butyl Acetate=1):	**N/A
Appearance and Odor:	Dark brown to black color slight

#### 4. FIRE AND EXPLOSION HAZARD DATA

Flash Point (method used): \*\*N/A  
 Flammable Limits: LEL: \*\*N/A UEL: \*\*N/A  
 Extinguishing Media: Water spray, CO2  
 Special Fire Fighting Procedures: Fire fighters should wear self-contained breathing apparatus to avoid inhalation of smoke or vapors.  
 Unusual Fire and Explosion Hazards: \*\*N/A

#### 5. REACTIVITY DATA

Stability: Stable  
 Conditions to avoid: None  
 Incompatibility (Materials to Avoid): \*\*N/A  
 Hazardous Decomposition or Byproducts: In use dust and decomposition odors are created, material removed from workpiece will be greater.  
 Hazardous Polymerization: Will not occur Conditions to avoid: None

#### 6. HEALTH HAZARD DATA

Primary Route(s) of Entry	Acute and Chronic Health Effects and Effects of Overexposure	First Aid and Medical Information
Inhalation (during grinding)	<b>Acute:</b> Possible cough. <b>Chronic:</b> May effect breathing capacity.	Remove to fresh air, artificial respiration as needed; Obtain medical assistance.
Ingestion (during grinding)	No known adverse affects, but ingestion not recommended.	Obtain medical assistance.
Skin (during grinding (contact & absorption))	Some may experience skin irritation from dust.	Wash affected areas with soap and water; obtain medical assistance.
Eye (during grinding)	Dust may irritate eyes.	Wash with large amounts of water; obtain first aid and medical assistance, if needed.
<b>Other Potential Health Risks</b> (during grinding)	Grinding may create elevated sound levels which may affect hearing and may aggravate pre-existing respiratory conditions.	Obtain medical assistance; there is limited information that Chrystalline Silica is a carcinogen.

#### 7. PRECAUTIONS FOR SAFE HANDLING AND USE

Precautions to be taken in handling and storage: Handle carefully: Wheels shall not be stored subject to water or solvents.  
 Other Precautions: Comply with ANSI B7.1 Safety, Use, Care of Abrasive Wheels; Comply with RPM rating on each product.  
 Steps to be taken in case material is released or spilled: Grinding and cut-off wheels if dropped or damaged can cause serious bodily injury. Avoid usage if product has been dropped or damaged. Normal clean up procedures.  
 Waste disposal method: Standard landfill or incineration in accordance with local, state/provincial and federal regulations

**8. CONTROL MEASURES**

Respiratory protection (specify type): MSHA - NIOSH approved respirators - See OSHA 29CFR1910.134

Ventilation: Yes

Local Exhaust: See OSHA 29CFR1910.94 & 1000

Mechanical (General): Wheel Guards Special: Avoid contact with sparks

Other: Do not wear contact lenses

Protective gloves: As desired by user

Eye protection: Recommended - See OSHA 29 CFR 1910.133

Other protective clothing or equipment: Safety shoes, fireproof clothing, head and ear protection.

Work/Hygienic Practices: Keep dust washed off skin, wear clean clothing.

\*\*N/A = Not Applicable \*\*\*NAIF = No applicable information found

The above information is based on our current standard of knowledge and does not constitute any warranty of conditions of the product. The information does not form part of any contractual agreement. It remains the user's responsibility to adhere existing laws and regulations.