

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

Original Carbide Burrs

**1.2 Product Use:**

Tooling.

**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. HAZARDS IDENTIFICATION**

OSHA/HCS Status : While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.

Classification: not classified.

**GHS Label Element:**

Signal Word: no signal word.

Hazard Statement : no known significant effects or critical hazards.

**Precautionary Statements:**

General: read Safety Data Sheet before use. Keep out of reach of children.

Prevention: not applicable.

Response: not applicable.

Storage: not applicable.

Disposal: not applicable.

Hazard Not Otherwise Classified: none known.

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

Hazardous Component	CAS#	% (optional)
Tungsten Carbide	12070-12-1	92
Cobalt	7440-48-4	8

Occupational exposure limits, if applicable, are listed in Section 8.

**4. FIRST AID MEASURES****Description of necessary first aid measures:**

Inhalation: move victim to fresh air. If the victim still feels unwell, consult a physician.

Skin Contact: wash gently and thoroughly with lukewarm, flowing water and non-abrasive soap for 5 minutes. If signs/symptoms develop, consult a physician.

Eyes Contact: flush the contaminated eye(s) with large amounts of clean water for 5 minutes while holding the eyelid(s) open. Do not remove embedded objects. Continue rinsing. Consult physician if necessary.

Ingestion: dilute with water. Consult physician if necessary.

Others: treat scrapes or cuts by cleaning wound. Apply sterile dressing.

Most important symptoms and effects, both acute and delayed.

**Potential acute health effects:**

Inhalation: no known significant effects or critical hazards.  
Skin Contact: no known significant effects or critical hazards.  
Eyes Contact: no known significant effects or critical hazards.  
Ingestion: no known significant effects or critical hazards.

**Over-exposure signs/symptoms:**

Inhalation: no known significant effects or critical hazards.  
Skin Contact: no known significant effects or critical hazards.  
Eyes Contact: no known significant effects or critical hazards.  
Ingestion: no known significant effects or critical hazards.  
Indication of any immediate medical attention and special treatment needed: none.  
See toxicological information (Section 11)

**5. FIRE FIGHTING MEASURES****Extinguishing Media:**

Suitable extinguish Media: water, sodium, chloride, soda ash.  
Unsuitable extinguish Media: none Known.

**Hazardous thermal decomposition products:**

During combustion, toxic fumes may occur, use protective equipment. Decomposition products may include the following material:  
Substance: Carbon monoxide and Carbon Dioxide.  
Special protective actions for fire-fighter: no special measures are required.

**6. ACCIDENTAL RELEASE MEASURES****Personal precautions, protective equipment and emergency procedures:**

For non-emergency personnel: not applicable.  
For emergency responders: not applicable.  
Environmental precautions: not applicable.  
Methods and materials for containment and cleaning up: not applicable.

**7. HANDLING AND STORAGE**

Precautions for safe handling: follow safety standards for grinding (ANSI B11.09-2010).  
Precautions for safe storage: there is no special storage requirement.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

The following table presents the limit for air contaminant from OSHA 1910-Z-1 Table.

Ingredient	CAS#	Limit Value (mg/m <sup>3</sup> )
Tungsten Carbide	12070-12-1	n/a
Cobalt	7440-48-4	0.1

When used in conformity with the industry standards, the cobalt percentage in the air from the carbide burrs is below 0.1 mg/m<sup>3</sup>.

Appropriate engineer control: general ventilation is adequate to evacuate the dust from the working area. With good ventilation, the exposure of every ingredient should be below the limit. Make sure all the equipment is in good condition.

Environment exposure control: not applicable.

**Individual Personal Protection:**

Eyes Protection: wear protective goggles with safe shields.

Hand Protection: wear Gloves.

Skin Protection: wear long clothes. Smock is recommended.

Respiratory Protection: use of a protective half or full face mask.

Hearing Protection: ear protection is recommended.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

Physical State: solid.

Appearance: dark grey metal.

Odor: odorless.

Boiling Point: not available.

Freezing Point: not available.

Specific Gravity: 11.0 to 15.5

pH: not available.

Vapor Pressure: not available.

Evaporation: not available.

Flashpoint: not available.

Auto Ignition Temperature: not available.

Sensitivity to Mechanical: not available.

**10. STABILITY AND REACTIVITY**

Reactivity: none known.

Chemical Stability: this product is stable.

Possibility to Hazardous Reaction: none known.

Conditions to avoid: none known.

Incompatible Material: none known.

Hazardous decomposition products: under normal conditions of use, hazardous decomposition products should not be produced.

**11. TOXICOLOGICAL INFORMATION**

Acute Toxicity

Ingredient	CAS#	Oral Acute Toxicity
Cobalt	7440-48-4	LD50:> 6170 mg/kg (rat)

Irritation/Corrosion: uncontrolled dust can affect eyes and respiration.

Sensitization: no known significant effects.

Carcinogenicity: no known significant effects.

Reproductive Toxicity: no known significant effects.

Specific target organ toxicity - Single exposure: no known significant effects.

Specific target organ toxicity - Repeated exposure: no known significant effects.

Aspiration Hazard: no known significant effects.

Information on the likely routes of exposure: inhalation, skin contact, eyes contact, ingestion.

**Potential acute health effects:**

Inhalation, skin contact, eyes contact and ingestion:  
No known significant effects or critical hazards.

**Symptoms related to the physical, chemical and toxicological characteristics:**

Inhalation, skin contact, eyes contact and ingestion:  
No known significant effects or critical hazards.

**Short term exposure:**

Potential immediate effect:  
No known significant effects or critical hazards.

Potential delayed effect:  
No known significant effects or critical hazards.

**Long term exposure:**

Potential immediate effect:  
No known significant effects or critical hazards.

Potential delayed effect:  
No known significant effects or critical hazards.

**Potential Chronic Health Effects:**

General, carcinogenicity, mutagenicity, teratogenicity, developmental effects or fertility effects:  
No known significant effects or critical hazards.

**12. ECOLOGICAL INFORMATION****Toxicity:**

Aquatic Toxicity: no known significant effects or critical hazards.

Persistence and degradability: no known significant effects or critical hazards.

Bioaccumulation potential: no known significant effects or critical hazards.

Mobility in soil: no known significant effects or critical hazards.

Other adverse effects: no known significant effects or critical hazards.

**13. DISPOSAL CONSIDERATION**

Dispose as per local, regional, national and international regulations.

**14. TRANSPORT INFORMATION**

N/A – not regulated.

**15. REGULATORY INFORMATION**

US Federal Regulations: contact Taipan Abrasives for further details.

Hazard Categories: Fire Hazard – No, Pressure Hazard – No, Reactivity Hazard – No, Immediate Hazard – No, Delayed Hazard – No.

State/Provincial Regulations: contact Taipan Abrasives for further details.

Chemical Inventories: this product is defined by TSCA regulations and is exempt from TSCA Inventory listing requirements.

International Regulations: contact Taipan Abrasives for further details.

**16. OTHER INFORMATION**

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 users responsibility to adhere to existing laws and regulations.