

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

Original HSS Annular Cutters / Drill Bits

1.2 Product Use:

Drilling and core cutting on various types of metal.

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. COMPOSITION/INFORMATION ON INGREDIENTS

M2 Steel W6Mo5Cr4V2

MATERIAL	CAS #	COMPOSITION %
Carbon (C)	1333-86-4	80 - 90
Tungsten (W)	7440-33-7	5.50 - 6.75
Molybdenum (Mo)	7439-98-7	4.50 - 5.50
Chromium (Cr)	7740-47-3	3.80 - 4.40
Vanadium (V)	7440-62-2	1.75 - 2.20
Manganese (Mn)	7439-96-5	0.15 - 0.40
Silicon (Si)	7440-21-3	0.20 - 0.45
Phosphorus (P)	7723-14-0	<0.03
Sulfur (S)	7704-34-9	<0.03

3. HAZARDS IDENTIFICATION

Not applicable.

See also section 8 and 16.

4. FIRST AID MEASURES

See also section 8 and 16.

Inhalation: Not possible, due to the form of the product.

Eye contact: Not possible, due to the form of the product.

Skin contact: No harmful effects known.

Ingestion: Not likely, due to the form of the product.

If necessary contact physician.

5. FIRE FIGHTING MEASURES

Not applicable.

6. ACCIDENTAL RELEASE MEASURES

Not applicable.

7. HANDLING AND STORAGE

Follow instructions and the relevant national regulations. In addition, observe the safety recommendations of the manufacturer.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

This product in the solid form it is sold does not constitute a physical hazard or health hazard. Metal working operations on this product such as heating, forging, welding, cutting, grinding and other processing which results in the generation of fume or dust may transform ingredients to a form which may affect exposed individuals.

MATERIAL	
Carbon (C)	No permanent disability. Mild inhalation hazard. Prolonged exposure above limits may cause temporary or permanent damage to lungs and heart.
Tungsten (W)	Low toxicity. Excessive exposure could result in pulmonary changes.
Molybdenum (Mo)	No reported permanent disability from exposure. May cause mild irritation of nose and eyes. Low toxicity.
Chromium (Cr)	Insoluble chromium compounds are suspect carcinogens. Excessive inhalation of dusts or fumes may result in irritation or ulceration in respiratory system.
Vanadium (V)	Respiratory tract irritant. As a metal non-toxic.
Manganese (Mn)	Prolonged exposure can affect central nervous system with symptoms resembling Parkinson's Disease. Can cause pneumonitis, metal fume fever and bronchitis.
Silicon (Si)	Inhalation as silicon dioxide may cause disability.
Phosphorus (P)	Can cause respiratory tract irritation and coughing.
Sulfur (S)	Prolonged exposure can cause airway restriction.

9. PHYSICAL AND CHEMICAL PROPERTIES

- 9.1 Physical state: Solid odorless metal
9.2 Colour: Metal (grey/silver)
9.3 Solubility in water: Not applicable

10. STABILITY AND REACTIVITY

Stability: Chemically stable
Incompatibility: Reacts with strong acids to generate hydrogen gas
Hazardous decomposition products: Metallic oxides

11. TOXICOLOGICAL INFORMATION

No toxic effects would be expected from the solid inert form of this product. Repeated, prolonged exposure to fumes or dusts resulting from operations on this product such as heating, welding, cutting, brazing etc may cause adverse health effects. See section 8 for more details.

12. ECOLOGICAL INFORMATION

- 12.1 Ecotoxicity: no effects known
12.2 Mobility: no potentials known
12.3 Persistence and degradability: no biodegradable potentials known
12.4 Bioaccumulative potential: no potentials known
12.5 Other hazardous effects: no effects known

13. DISPOSAL CONSIDERATIONS

- 13.1. Product
Disposal according to local authority regulations.
- 13.2. Packing
Disposal according to local authority regulations.

14. TRANSPORT INFORMATION

The product is not covered by international regulation on the transport of dangerous goods.

15. REGULATORY INFORMATION

No specific marking requirements under respective manufacturing directives.

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 user's responsibility to adhere existing laws and regulations.