

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

Platinum Original Non-Woven Surface Conditioning Discs / Roll-On Discs

1.2 Product Use:

Deburring, blending and conditioning work on 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. HAZARDS IDENTIFICATION

Classification: The product is classified not hazardous according to Reg. EC 1272/2008

Hazards to humans: No relevant hazards to humans

Hazards to the environment: No relevant hazards to the environment

Physical or chemical hazards: No relevant physical or chemical hazards

3. COMPOSITION/INFORMATION ON INGREDIENTS

Material is composed of abrasive powders supported on a structure of plastic or cotton or polyester tissue binded by a polymeric binder

Abrasive material

Matrix	Substance	Hazard symbol	Hazard classification	RTECS	CAS N.	EC N.	% by weight*
Abrasive powders	Corundum* (Al ₂ O ₃)	---	---	BD1200000	1344-28-1	215-691-6	100
		TSCA 8(b) inventory		Listed			
	Silicon carbide (SiC)	---	---	VW0450000	409-21-2	206-991-8	
		TSCA 8(b) inventory		Listed			

*: Corundum is a natural form of aluminium oxide; it contains small impurities of iron, magnesium and silica

**: any differences on abrasive powder composition (% by weight) does not modify hazard classification of material according to reference Regulation

Structural support

Matrix	Structural component	Risk symbol	Classification
Support	Plastic tissue	---	---
	Cotton/polyester tissue	---	---
Binder	Inert polymeric binder film	---	---

4. FIRST AID MEASURES

- Preamble: Following statements must be taken as base-rules concerning abrasive materials and has to be completed according to safety data sheets of processed materials and process cooling liquid used
- General information: In case of eyes and skin contact, give priority to eyes first aid measures
- Eye contact: Rinse opened eye for several minutes under running water and seek immediate medical advice, showing this MSDS
- Skin contact: Remove contaminated clothes. Immediately wash with water and soap and rinse thoroughly.
- Inhalation: Supply fresh air; consult doctor in case of complaints
- Swallowing: No negative effects in case of swallowing. Drink water and seek immediate medical advice, showing this MSDS

5. FIRE FIGHTING MEASURES

- Suitable extinguishing agents: CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam
- Protective equipment: Ordinary protective equipment in case of fire-fighting
- Specific risks: None

6. ACCIDENTAL RELEASE MEASURES

- Person-related safety precautions:
- Measures for environmental protection: Not applicable to the article
- Measures for cleaning/collecting:





7. HANDLING AND STORAGE

- Handling: Avoid direct contact using recommended handling safety equipment (see § 8).
According to normal use conditions, product does not contain volatile components.
- Storage: Keep in cool, dry, ventilated storage in closed original containers.
Do not eat or drink near the storage space.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Risk scenario: Any risk concerning the use in mechanical industry.
Experimental toxicological data are not available concerning specific exposure scenarios.
Hazard classification of this product was done according to Reg. 1272/2008/EC and other available informations.

Information about design of technical facilities: Ensure good ventilation/exhaustion at the workplace.
Safety washing water must be available for skin and eyes.

Exposure limit values	Substance	OSHA 2014 TWA [mg/m ³]		ACGIH 2014 TWA [mg/m ³]	
		Total	Respirable fraction	Inhalable fraction	Respirable fraction
	<i>Silicon carbide</i>	15	5	10	3
	<i>Corundum [Al₂O₃]</i>	15	5	---	---
	<i>Particles not otherwise classified</i>	10 mg/m ³ inhalable fraction (TWA 8 h, ACGIH 2014) 3 mg/m ³ respirable fraction (TWA 8 h, ACGIH 2014)			
Respiratory protection	In case of brief exposure use respiratory filter device.				
Eyes protection	Safety goggles or face shield				
Hands protection	Protective gloves for chemical products, according to standard EN374; materials for long contact time.				
Skin protection	Use protective clothes and protective shoes				
Other information	<p>Abrasive materials used are inert and cannot cause risks when correctly stored and managed. During use on machineries, they request safety precautions for workers. The most part of powder particles comes from the processed material and eventually from the cooling liquid. Consequently attention and safety precautionary measures on vapours and dusts environmental removing must be applied.</p> <p>Follow the local Safety Management standards and instructions.</p>				

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Solid abrasive material
Odour	Odourless
PH	n.a.
Charge	n.a.
Boiling point	n.a.
Melting point	n.a.
Flash point	n.a.
Vapour pressure	n.a.
Water solubility at 20°C	Not soluble
Volatile organic chemicals (VOC)	No volatile chemicals (VOC) are present at detectable level
Partition coefficient n-octanol/water	n.a.

10. STABILITY AND REACTIVITY

Stability	Stable in normal handling and storage conditions
Conditions/materials to avoid	Keep away from strong oxidizers and electrostatic charges
Dangerous decomposition products	After overheating and drying, thermal decomposition at $T > 250^{\circ}\text{C}$ can produce dangerous vapours as carbon dioxide, carbon oxide and nitrogen oxides

11. TOXICOLOGICAL INFORMATION

Material is inert on structural matrix. Data are referring to used abrasive components

Carcinogenic effects	n.a.
Mutagenic effects	n.a.
Acute toxicity	Al ₂ O ₃ (Corundum): > 5000 mg/Kg - DL50, oral rat (IUCALID Data Sheet, European Chemical Bureau) SiC (Silicon Carbide): no available data
Chronic toxicity	n.a.
Skin	Mechanical irritating effects
Inhalation	Irritating (superior respiratory system). Powders produced during use can cause respiratory irritating effects
Eyes	Mechanical irritating effects: symptoms can be irritating, reddening, damages of corneal surface, tearing. Powders produced during use can cause eyes irritating effects
Other negative effects	Other risks can be caused depending on the abrasion process material used

12. ECOLOGICAL INFORMATION

Ecological toxicity	Al ₂ O ₃ (Corundum): > 100 mg/l – 96 h, salmo trutta (long time acute toxicity) > 100 mg/l – 48 h, daphnia magna (long time acute toxicity) SiC (Silicon carbide): not available data
Mobility	n.a.
Biopersistency	n.a.
Biodegradability	n.a.
Potential of bioaccumulation	n.a.

13. DISPOSAL CONSIDERATIONS

Disposal recommendation	Recovery if possible. Waste and uncleaned packages must be disposed of in accordance with state and local environmental regulations.
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14. TRANSPORT CONSIDERATIONS

Transport classification and regulation	ONU number: n.a. ADR/RID: not regulated (road and railway) ICAO/IATA: not regulated (air transport) IMDG/IMO: nor regulated (maritime transport)
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15. REGULATORY INFORMATION

GHS Hazard labeling symbols	None
UE Hazard labeling symbols	None
U.S.A. OSHA labeling symbols	None
CANADA WHIMIS labeling symbols	None
GHS hazard statements	None
UE hazard statements	None
U.S.A OSHA hazard statements	None
CANADA WHIMIS hazard statements	None

Precautionary statements (Dir. EC 67/548)	S 22	Do not breathe dust
	S 39	Wear eye/face protection
Precautionary statements (Reg. EC 1272/2008)	P 260	Do not breathe dust
	P 280	Wear protective gloves/eye/face protection

Other regulation references	<p>All ingredients of this product are listed or are excluded from listing on the U.S. Toxic Substances Control Act Chemical Substance Inventory (see section 3). Reg. EC 1272/2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives EC 67/548 and EC 1999/45, and amending Reg. EC 1907/2006 (Reach).</p> <p>Product does not contains detectable amounts of:</p> <ul style="list-style-type: none"> ✓ substances classified carcinogenic cat. I or cat. 2 ✓ substances included in the ECHA Candidate list of SVHC ✓ substances included in the Reach annex 14 (authorization) ✓ No restriction are applicable according to UE Reach Regulation (Annex 17 and following amendments)
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16. OTHER INFORMATION

GHS Hazard statements (full text) (§ 3)	None
Further informations and references	<p>Information is updated to:</p> <ul style="list-style-type: none"> ✓ GHS "Globally Harmonized System of Classification and Labelling of Chemicals, United Nations, 1st Revised Edition 2005" ✓ ANSI Z400.1/Z129.1-2010 Hazard Evaluation and Safety Data Sheet and Precautionary Labeling Preparation ✓ Hazard Communication Standard 29 CFR 1910.1200 ✓ Reg. EC 1272/2008 and following amendments ✓ NIOSH: Registry of toxic effects of chemical substances ✓ ACGIH: American Conference of Governmental Industrial Hygienists, 2014 <p>When applicable, according to Reg. 1907/2006/EC - chapter II, all substances used in this preparation where registered Product is according to Reg. 1907/2006/EC – title II requirements (registration of substances) Dir. EC 42/2006 (machineries directive): not applicable Dir. EC 65/2011 (Rohs 2): not applicable</p>

17. ABBREVIATIONS AND ACRONYMS

LD50	Average letal dose
TLV - TWA	Threshold Limit Value - Time Weighted Average
STEL	Short Term Exposure Limit
OES	Occupational Exposure Standard
REACH	Registration, Evaluation, Autorisation of Chemicals
ECHA	European Chemical Agency
RTECS	Registry of Toxic Effects of Chemical Substances (U.S.A.)
OSHA	Occupational Safety and Health Administration
NIOSH	National Institute for Occupational Safety and Health
ACGIH	American Conference of Governmental Industrial Hygienists
TSCA	Toxic Substances Control Act
WHMIS	Workplace Hazardous Materials Information System (Canada)
OSHA	Occupational Safety and Health Administration
n.a.	Not applicable/Not available

18. 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.