

# Safety Data Sheet

Product Name: Rubber Bonded Grinding and polishing wheel with core  
Abrasive grit range 36 to 1200  
Original Issue Date: June 2019  
Issue Number: Rev.01

## **SECTION 1:**

### **Identification of the substance and of the company**

**1.1 Product Identifier:** Rubber Bonded Grinding wheel with core  
*(available in multiple forms & shapes)*

**1.2 Recommended use and restrictions on use**

Recommended Use: Grinding and Polishing.

**1.3 Details of supplier of the safety data sheet**

atto Abrasives Limited,  
Dunmain,  
New Ross,  
Co. Wexford, Y34 W640  
Ireland

**1.4 Emergency telephone number**

Phone: +353-51-562700

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**SECTION 2:**

**Hazards Identification**

**2.1 Classification of substance or mixture**

Product not classified as hazardous according to OSHA Hazard Communication Standard

**2.2 Label Elements**

Not Applicable

**2.3 Other hazards**

None

Use of this product may generate dust so appropriate risk management measures are advisable. Due consideration should be given to dust generated by the material being abraded.

**SECTION 3:**

**Composition & Information on ingredients**

Ingredient: Chemical ID, (Common Name)	CAS#	*Reg. (Y/N)	OSHA PEL	ACGIH TL	Carcinogen (Y/N)	% (optional)
Silicon Carbide	409-21-2	Y	15mg/m3	10mg/m3	N	0– 45%
Aluminium Oxide	1344.28.1	Y	15mg/m3	10 mg/m3	N	5 – 40 %
Acrylic Latex (Synthetic Rubber Latex)						0 – 5 %
Phenolic Resin						10 – 15%
Inert Fillers					N	0- 50 %
Cured Rubber	N/A		N/A	N/A	N	0-20%
Cured Resin	N/A		N/A	N/A	N	0-12%

\* Materials are regulated by OSHA 29 CFR 1910.1200 Hazard Communication Standard

**SECTION 4: FIRST AID MEASURES**

**4.1 Description of First Aid Measures**

*Inhalation:* During application of the product, the operator should use suitable personal protection equipment & as appropriate, dust extraction plant. During use due consideration should be given to dust generated by the material being abraded. Upon inhalation of dust particles generated during use of the product, remove person to fresh air. Seek medical attention, if symptoms persist.

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- Skin:** Product as supplied is not a skin irritant and not a skin sensitizer. During use due consideration should be given to dust generated by the material being abraded. When in use, the process may give rise to dust particles that may cause skin irritation. Wash with plenty of water and soap. Remove contaminated clothing and footwear. Seek medical advice if symptoms occur. As with any industrial product the use of appropriate personal protection equipment is recommended.
- Eye:** Product as supplied is not an eye irritant. When in use the product may give rise to the generation of dust that may cause eye irritation. During use due consideration should be given to dust generated by the material being abraded. Use general measures if eye irritations occur. Do not rub eyes. Immediately wash with plenty of water. If irritation persists, seek medical attention.
- Ingestion:** No danger known, wash mouth out if appropriate. During use due consideration should be given to dust generated by the material being abraded. Do not induce vomiting. Give water to drink.

**Advice to physician:** No specific advice. Treat according to symptoms present.

**4.2 Most important symptoms and effects, both acute and delayed.**

The product as supplied will not cause mechanical irritation to the eyes, nose, throat and lungs.

When in use, the process may give rise to the generation of dust particles that may cause irritation. During use due consideration should be given to dust generated by the material being abraded.

**4.3 Indication of any immediate medical attention and special treatment needed.**

Not applicable. Treat symptomatically.

## **SECTION 5: FIRE FIGHTING MEASURES**

**5.1 Extinguishing media**

This product is non-combustible. Use an extinguishing agent appropriate to the environmental surroundings. During use due consideration should be given to the material being abraded.

**5.2 Special hazards arising from the product.**

When in use, the process may give rise to the production of dust particles.

Carbon Dioxide generated during combustion  
Carbon Monoxide generated during combustion

**5.3 Advice to fire-fighters.**

Wear self-contained breathing apparatus and protective clothing.

**SECTION 6:**  
**Accidental Release Measures**

- 6.1 Personal precautions, protective equipment and emergency procedures** Ensure adequate ventilation at all times. Avoid breathing dust. Use appropriate protective equipment. Observe occupational exposure limits set out in section 8.
- 6.2 Environmental precautions**
- Not applicable
- 6.3 Methods and material for containment and clean-up**
- Not Applicable
- 6.4 References to other sections**  
Section 1 for emergency contact information  
Section 8 for information on personal protective equipment  
Section 13 for Waste Disposal

**SECTION 7:**  
**Handling and Storage**

- 7.1 Precautions for safe handling**
- 7.2** Wear suitable personal protection equipment, including eye & face protection. During use due consideration should be given to dust generated by the material being abraded & appropriate precautions taken. Use only in well ventilated areas. Wear personal protective clothing, appropriate dust masks. Wash hands and face after work.
- 7.3 Conditions for safe storage including any incompatibilities**  
Keep dry, with no extremes of temperature.  
Store flat.  
No other special requirements.

**SECTION 8:**  
**Exposure Controls & Personal Protection**

- 8.1** Control parameters of relevance to industrial settings (occurrence of dusts, mists and fumes)  
Engineering Measures:  
During use due consideration should be given to dust generated by the material being abraded & appropriate precautions taken. Use appropriate dust extraction equipment & personal protection equipment.

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<b>Ingredient</b>	<b>CAS No</b>	<b>Limit type</b>
Silicon Carbide	409-21-2	10 mg/m <sup>3</sup> as TWA
		TLV: (as respirable dust) 3 mg/m <sup>3</sup>
Aluminum Oxide	1344-28-1	TWA 15 mg/m <sup>3</sup> (total) TWA 5 mg/m <sup>3</sup> (resp)
Cured resins	9003-35-4	OSHA PEL-TWA 15 mg/m <sup>3</sup>
Rubber	9006-04-6	0.001 mg/m <sup>3</sup> ACGIH: TWA;

*TWA: Time-Weighted -Average*

*OSHA: USA Dept. of Labor: Occupational Safety & Health Administration*

*ACGIH: American Conference of Governmental Industrial Hygienists*

## 8.2 Personal Protective Equipment

Respiratory & Eye Protection: During use due consideration should be given to dust generated by the material being abraded & appropriate precautions taken. Use appropriate dust extraction equipment & personal protection equipment.

Skin & Hand Protection: Operatives should always wear appropriate personal protection equipment.

## SECTION 9: Physical and Chemical Properties

### 9.1 Information on basic physical and chemical properties

<b>General Physical Form:</b>	Solid
<b>Appearance:</b>	Smooth surface except for cutting face, which is roughened with obvious presence of abrasive grain.
<b>Odor</b>	Non-specific
<b>Odor Threshold</b>	N/A
<b>pH:</b>	N/A
<b>Melting Point:</b>	N/A
<b>Boiling Point:</b>	N/A
<b>Flash Point:</b>	N/A
<b>Evaporation Rate:</b>	N/A
<b>Specific Gravity:</b>	Varies according to grit size.
<b>Flammability:</b>	N/A
<b>Vapor Pressure:</b>	N/A
<b>Density:</b>	Grade dependent
<b>Solubility in Water:</b>	Not soluble in water.

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**Decomposition Temp:** N/A  
**Volatile Organic Comp:** N/A  
**Percentage Volatile:** N/A  
**Colour:** Black, Brown, Grey

**9.2 Other information** Not applicable

### **SECTION 10: Stability and Reactivity**

- 10.1 Reactivity**  
Not applicable.
- 10.2 Chemical stability**  
Stable under normal conditions
- 10.3 Possibility of hazardous reactions** No hazardous reactions known
- 10.4 Conditions to avoid**  
Excessive thermal exposure.
- 10.5 Incompatible materials**  
None known
- 10.6 Hazardous decomposition products** None known.

### **SECTION 11:** **Toxicological Information**

The product as supplied will not cause mechanical irritation to the eyes, nose, throat and lungs.

When in use, the process may give rise to the generation of dust particles that may cause irritation. During use due consideration should be given to dust generated by the material being abraded.

- 11.1 Information on toxicological effects**  
Not classified under EC Directives.  
Not classified under EC Directives and exposure controls should be adhered to as shown in Section 8.

## **SECTION 12**

### **Ecological Information**

**12.1 Assessment:** Handled correctly this product presents no serious environmental hazard

**12.2 Test Results:** the supplier has not conducted any environmental studies on this product directly.

## **SECTION 13:**

### **Disposal considerations**

The product must be disposed of in accordance with national legislation and local regulations. The material as supplied is classed as a non-hazardous inert solid waste. Due consideration should be given to the material being abraded as this may contaminate the product. The waste producer must determine if hazardous substances in the process are likely to cause the waste to be hazardous.

## **SECTION 14**

### **Transport Information**

#### **14.1 Land Transport (ADR/RID)**

This product is not classified according to Transport Regulations for Hazardous/Dangerous Goods.

#### **14.2 Marine Transport (IMO/IMD)**

This product is not classified according to Transport Regulations for Hazardous/Dangerous Goods.

#### **14.3 Air Transport**

This Product is not classified according to Transport Regulations for Hazardous/Dangerous Goods.

## **SECTION 15:**

### **Regulatory Information**

#### **15.1 Safety, health and environmental regulations/legislation specific for substance or mixture**

The product is not hazardous according to Directive 67/548/CE and 1272/2008/CE.

#### **15.2 Labelling Requirement**

This product is not subject to labelling in accordance with current regulations in force as set out in Section 15.1

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**SECTION 16:**  
**Other Information.**

16.1 Intended Use: These products are used as grinding and polishing articles.

*Disclaimer: The information in this Safety Data Sheet is believed to be correct as of the date issued. The supplier makes no warranties, expressed or implied. User is responsible for determining if the product is suitable for the intended use or application.*