Section 1. Product and Company Identification.

Model Number and Description;

BG150/15 v3 Grinding Stone Ø150 x 20mm 32(13)mm Bore A60P Fine
BG150/16 v3 Grinding Stone Ø150 x 20mm 32(13)mm Bore A36Q Coarse
BG200/15 v3 Grinding Stone Ø200 x 25mm 16mm Bore A60P Fine
BG200/16 v3 Grinding Stone Ø200 x 25mm 16mm Bore A36Q Coarse

Manufacturer;

Sealey Group.
Kempson Way,
Bury St. Edmunds,
Suffolk.
IP32 7AR

1.4 Emergency telephone number; 44 (0) 1284 757 500

Date of source compilation; data not available.

Section 2. Hazards Identification.

EMERGENCY OVERVIEW
Dust may cause eye and respiratory irritation.
Dust particles may cause abrasive injury to the eyes.
See Section 4. First Aid Measures.
See Section 8.2. Personal Protective Equipment.

Section 3. Substances.

3.1 Chemical Name (substance)	**3.1 CAS No.**	**3.2 Percentage of Content** (mixture)
Aluminium Oxide	1344-28-1	data not available
Silicon Carbide	409-21-2	data not available

Section 4. First aid measures.

Ingestion: If grinding dust is swallowed, seek medical attention.
Inhalation: If overexposed to grinding dust, remove casualty to fresh air. Seek medical attention.
Eye Contact: Flush eyes thoroughly with water, holding open eyelids. Seek medical attention if irritation persists.
Seek immediate medical attention for foreign body in the eye.
Skin Contact: Wash dust from skin with soap and water. Do not wear contaminated clothing.

Section 5. Fire Fighting Measures.

5.1. Extinguishing media

Use any media that is appropriate for the surrounding fire.

5.2. Special hazards arising from the substance or mixture

None known

5.3. Advice for fire-fighters

This product is not combustible.
Consideration must be given to the potential fire/explosion hazards from the base material being processed.
Many materials create flammable/explosive dusts or turnings when machined or ground.

Section 6. Accidental Release Measures.

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions, see Section 7.1
Protective equipment, see Section 8.2

6.2. Environmental precautions

No data available

6.3. Methods and material for containment and cleaning up

If collecting material by hand, ensure that adequate hand protection is used.
Material can be collected by sweeping of by vacuum.
In all cases, ensure that respiratory protection and eye protection is appropriate.

Section 7. Handling and Storage.

7.1. Precautions for safe handling
Use only with adequate ventilation.
Avoid breathing dust.
Wash thoroughly after handling and use, especially before eating, drinking or smoking.
Use protection appropriate to the exposure of components coming from the base materials being processed.

7.2. Conditions for safe storage, including any incompatibilities

Protect abrasive wheels from damage.

Section 8. Exposure Controls/Personal Protection.

8.1. Control parameters

Exposure guidelines;

Aluminium Oxide 15 mg/m3 (total dust) 1 mg/m3 (respirable) (as Al metal)

Silicon Carbide 15 mg/m3 (total dust) 10 mg/m3 (Inhalable fraction)

8.2. Exposure controls – Personal Protective Equipment

Recommended safety equipment;

Ear protection:

Use ear defenders approved to EN 352

Eye protection:

Use safety goggles approved to EN 166.

Hand protection:

When using hand protection, select protective gloves with appropriate abrasion resistance.

Use hand protection when changing grind wheels. Always ensure that the power has been isolated.

Care must be taken to ensure that the work piece can be handled in a safe manner.

Skin protection:

Exposure to rotating grind wheels can causes severe abrasion injury.

Use protection appropriate to the base material being processed.

Respiratory protection:

Respiratory Protection must be appropriate for the base materials being processed.

Protection must be appropriate for the levels of particles created from the base materials being ground.

See section 11

Section 9. Physical and Chemical Properties.

9.1. Information on basic physical and chemical properties

(a) Appearance:	Black, grey, brown, green or reddish coloured solid wheel,
(b) Odour:	no odour.
(c) Odour threshold;	not applicable.
(d) pH:	not applicable.
(e) Melting point/freezing point;	not applicable.
(f) Initial boiling point and boiling range;	not applicable.
(g) Flash point;	Non-Combustible
(h) Evaporation rate;	not applicable.
(i) Flammability (solid, gas);	not applicable.
(j) Upper/lower flammability or explosive limits;	not applicable.
(k) Vapour pressure;	not applicable.
(l) Vapour density;	not applicable.
(m) Relative density;	not applicable.
(n) Solubility(ies);	Insoluble in water
(o) Partition coefficient: n-octanol/water;	not applicable.
(p) Auto-ignition temperature;	not applicable.
(q) Decomposition temperature;	not applicable.
(r) Viscosity;	not applicable.
(s) Explosive properties;	not applicable.
(t) Oxidising properties.	not applicable.

Section 10. Stability and Reactivity.

10.1. Reactivity	no data available
10.2. Chemical stability	Stable
10.3. Possibility of hazardous reactions	hazardous polymerisation will not occur
10.4. Conditions to avoid	no data available
10.5. Incompatible materials	None known.

10.6. Hazardous decomposition products
Dust from grinding could contain ingredients listed in Section 3.
Components of the base material being ground will be airborne during the grinding process.
The risk of exposure to such components must be assessed.

Section 11. Toxicological Information.

HEALTH HAZARDS:

Ingestion:

None expected under normal use conditions.

Swallowing large pieces can cause obstruction of the gastrointestinal tract.

Inhalation:

Dust may cause respiratory irritation.

Eye:

Dust may cause eye irritation.

Dust particles may cause abrasive injury to the eyes.

Skin:

None expected under normal use conditions.

Rubbing product across the skin may cause mechanical irritation or abrasions.

Sensitization:

This material is not known to cause sensitization.

Chronic:

Long-term overexposure to respirable dust may cause lung damage (fibrosis) with symptoms of coughing, shortness of breath and diminished breathing capacity. Chronic effects may be aggravated by smoking. Prolonged exposure to elevated noise levels during operations may affect hearing. A greater hazard, in most cases, is the exposure to the dust/fumes from the base material or paint/coatings being ground. Most of the dust generated during grinding is from the base material being ground and the potential hazard from this exposure must be evaluated.

Carcinogenicity:

None of the components is listed as a carcinogen or potential carcinogen by IARC.

Medical Conditions Aggravated by Exposure:

Individuals with pre-existing respiratory disease may be at risk from exposure.

Acute Toxicity Values:

This product and its components are not acutely toxic.

No specific toxicity data is available for this product or its components.

Section 12. Ecological Information.

No ecological data is available for this product. No hazards to the environment are expected from this product. However, consideration must be given to potential environment effects of the base material being processed.

Section 13. Disposal Considerations.

Disposal must be in accordance with local authority regulation requirements.

Section 14. Transport Information.

14.1. UN number

None

14.2. UN proper shipping name

Not Regulated

14.3. Transport hazard class(es)

None

14.4. Packing group

None

14.5. Environmental hazards

None

Section 15. Regulatory Information.

Not applicable

Section 16. Additional Information.

The above information is believed to be accurate and represents the best information currently available.
No warranty is expressed or implied by the above information.
We assume no liability resulting from use of the above information.
The end user should conduct their own investigations to determine the suitability of the above information for their particular purpose.