

CDS CONSULTANTS
Corrosion Control Equipment & Abrasives

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TECHNICAL DATA SHEET		
1. PRODUCT NAME	CDS Reference	
<i>Black Silicon Carbide</i>	BSC	
2. MAIN INTENDED USE		
A very tough media providing a long life span. Used for specialist blasting applications but mainly used for grinding wheel manufacture, optical and lapidary processes.		
3. CHEMICAL ANALYSIS		
Typical chemical analysis.		
<u>Compound/Element</u>	<u>Chemical Formula</u>	<u>Typical Content</u>
Silicon Carbide	SiC	97.50 – 98.50% maximum
Free Silicon	Si	00.50% maximum
Silica	SiO ₂	01.00% maximum
Free Carbon	C	00.30% maximum
Iron (Surface)	Fe ₂ O ₃	00.10% maximum
Aluminium Oxide	Al ₂ O ₃	00.20% maximum
Determined by FAAS, XRF		
4. PHYSICAL PROPERTIES	a. Bulk Density Untamped b. Shape c. Colour d. Specific Gravity e. Hardness	N/A Angular Black N/A 9.0 Mohs (2500Knoop)
5. SIZE RANGE AVAILABLE		
From Mesh 10 to F1200		
6 PACKAGING		
Packed in 25 kg paper sacks.		