

Reviewed: September 2017

# **MATERIAL SAFETY DATA SHEET**

## **BLACK SILICON CARBIDE**

Material Safety Data Sheet  
Prepared in accordance with GHS

### **1. Identification of Substance:**

**Product Details:**

**Trade Name: BLACK SILICON CARBIDE**

**Supplier:**

Abasco Trading Pty Ltd  
Unit 4, 7-17 Geddes Street, Mulgrave. Vic. 3170

A.C.N. 007 158 803    A.B.N. 82 563 362 985

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### **2. Hazard identification:**

**Not classified as hazardous according to criteria of Worksafe Australia**

**Hazard designation:**        Void

**Information pertaining to particular hazards for man and environment:** Void

**Classification system:**

The classification is in line with current EC lists. It is expanded, however, by information from Technical literature and by information furnished by supplier companies.

### 3. Typical Composition/Data on components:

CAS No: 409-21-2

**Chemical Characterization:** Black Silicon Carbide %

SiC > 98.0

FC < 0.30

Fe<sub>2</sub>O<sub>3</sub> < 0.50

### 4. First Aid Measures:

**General Information:** No specific measures required.  
**After Inhalation:** Supply fresh air, consult doctor in case of symptom.  
**After Skin Contact:** Instantly wash with water and soap and rinse thoroughly. The product is not skin irritating.  
**After eye contact:** Rinse opened eye for several minutes under running water.  
**After Swallowing:** Extreme cases seek medical help immediately, **call 000** Emergency. In case of persistent symptoms consult your doctor.

### 5. Fire fighting measures:

**Protective equipment:** No specific measures required. Material not flammable.

### 6. Accidental Release measures:

**Person related safety precautions:** Avoid causing dust.  
**Measures for environmental protection:** No specific measures required.  
**Measures for cleaning/collecting:** Collect mechanically.  
**Additional Information :**  
No dangerous materials are released.  
See Section 7 for information on safe handling  
See Section 8 for information on personal protection equipment.  
See Section 13 for information on disposal.

## 7. Handling & Storage:

**Information for safe handling:** Avoid high dust concentrations.

**Information about protection against explosions and fires:**

Material is non-explosive and not subject to fire hazard.

**Storage:**

**Requirements to be met by storerooms and containers:**

Where possible store in enclosed containers to limit dust concentrations.

**Information about storage in one common storage facility:**

Not required.

**Further information about storage conditions:** None.

## 8. Exposure controls and personal protection:

**Additional information about design of technical systems:**

No further data; see item 7.

**Components with critical values that require monitoring at the workplace:**

**Additional Information:**

The lists that were valid during the compilation were used as basis.

**Personal protective equipment:**

**General protective and hygienic measures:**

The usual precautionary measures should be adhered to in handling the material.

**Breathing Equipment:**

Use breathing protection in case of insufficient ventilation. Filter P1.

**Protection of hands:** Protective gloves.

**Eye protection:** Safety glasses.

**Body protection:** Protective work clothing.

## 9. Physical and chemical properties:

**Form:** Powder / grit

**Colour:** Black

**Smell:** Odourless

**Change in Condition:**

**Melting Point:** 1650 Deg. C

**Specific Gravity:** 3.18 – 3.21

**Vapour Density:** Not applicable

**Vapour Density( air=1)** Not applicable

**Evaporation rate:** Not applicable

**Flash Point:** Not applicable.

**Flammability (solid,gaseous)** Not applicable.

**Critical Value for explosion:** Not applicable.

**Solubility in Water/**

**Miscibility with Water:** Insoluble.

**10. Stability and reactivity:****Thermal decomposition / Conditions to be avoided.**

No decomposition if used according to specifications.

**Dangerous reactions:**

No dangerous reactions known.

**Dangerous products of decomposition:**

No dangerous decomposition products known.

**11. Toxicological information:****Primary irritant effect:**

**On the skin:** No irritant effect.

**On the Eye:** Eye exposure (to dust) may produce irritation.

**Sensitization:** No sensitizing effect known.

**Additional toxicological information.**

As with any nuisance dust, long term exposure to concentrations of dust above the recommended exposure level may overload lung clearance mechanism and cause adverse lung effects.

**12. Ecological Information****Ecotoxicological effects****Aquatic toxicity:**

No effect on marine life.

**General notes:**

Not hazardous for water.

**13. Disposal considerations:****Product:****Recommendation:**

Must be specially treated under adherence to official regulations.

**Waste disposal key number:** not determined.

**Uncleaned packagings:****Recommendation:**

Dispose of packaging to regulations on the disposal of packagings.

**14. Transport Information:****Transport/Additional Information.**

Not dangerous according to transport specifications.

**15. Regulatory information:****Designation according to EC guidelines:**

Observe the normal regulations.

The product is not subject to classification according to EC Directives/relevant National laws.

**National Regulations:****Water hazard class:**

Water hazard class 0: Not hazardous for water.

**16. Other Information:**

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

**Contact Point:**

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**Manufactured by: China Henan International ( China )**