

Safety Data Sheet Pursuant to 91/155/eec

Products: Silicon Carbide

Revised date: 18, May 2007

Supplier: Dragon-abrasives Import & Export Company Limited

1. Identification of material/preparation and firm	
1.1 Description of Products:	Silicon Carbide (SiC)
1.2 Use of the products	Abrasive, Grinding Wheel, Sands Paper
1.3 Supplier	
Firm	Dragon abrasives I/E Co., Ltd.
Address:	Rm. 2519, Trading Times Apartment #265 Anshan W. Rd. Tianjin China
Tel	022-87899539
Fax	022-87899537

2. Composition/Information on ingredients				
Description		Mixture of the substances listed below with Admixtures which are, pursuant to the ordinance on Dangerous Substances (GefStoffV), not subject to labelling Requirements.		
Chemical Contents		(average values)		
EC No. CAS No.	Description	%	Code letter	R-sentences
206-991-8 409-21-2	Silicon carbide (SiC)	98.50		
231-716-3 7699-41-4	Silicon Oxide (SiO ₂)	0.25		
231-130-8 7440-21-3	Silicon (Si)	0.15		
215-168-2 1309-37-1	Iron (III) Oxide (Fe ₂ O ₃)	0.25		
	Free Carbide (C)	0.30		

3. Possible Dangers	
Classification	Not subject to label requirements under the Dangerous Preparations Directive 1999/45/EC However, Please note the information contained in this safety data sheet. No danger of silicosis arises when using the product.
Additional danger warnings for humans and environment	

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4. Fire Aid measures	
General information	-
After inhalation	Take injured person into the fresh air and have him/her lie calmly
After contact with skin	Wash off with soap and water
After contact with eyes	In case of contact with eyes, rinse open eyes Under flowing water for 10 minutes.
After swallowing	Rinse out mouth and drink lots of water Do not try and cause vomiting. If person feels unwell, consult doctor.
Notes for the doctor	-

5. Fire-fighting measures	
Suitable extinguishing substances	Products itself does not burn. Adapt Extinguishing measures to environment.
Extinguishing substances which are not suitable due to safety reasons.	None Known.
Special dangers from the substance or the preparation itself, its combustion products or gases which arise.	None known
Special protective equipment in fighting fire	
Additional information	

6. Accidental release measures	
Person-related precautionary measures	Avoid dust formation. See protective Measures under points 7 and 8.
Environmental protection measures	-
Procedures to clean up	Take up mechanically and dispose of properly.
Additional information	-

7. handling and storage	
7.1 Handling	
Information on dealing with product safely	Avoid dust formation
Information on fire and explosion protection	No special fire protection measures Necessary.

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7.2 Storage	Store in the dry, Material tends to agglomerate in damp conditions.
Requirements of containers	-
Unsuitable material for containers	-
Information on mixed storage	LGK13(non-flammable solid materials)

8. Exposure limits and equipment for personal protection

8.1 Exposure limit values/Occupational limit values

General dust limit value	
Inhalable amount (E)	10 mg/m ³
Alveolar amount (A)	3 mg/m ³

8.2 Equipment for personal protection

Respiratory protection	Normally, no personal respiratory protection is necessary in the case of insufficient ventilation or exceeding occupational limit values, a breathing Mask is to be worn(FFP filtering half-mask face, depending on the given concentration)
Hand Protection	Glove material: leather
Eye Protection	Tight-fitting protective goggles
Body protection	-
Protective and hygiene measures	Minimum standards regarding protective Measures for dealing with working substances are listed in TRGS 500. Do not eat, drink, smoke or take snuff during Work, Avoid contact with skin, eyes and clothes, Remove soiled or soaked clothes immediately wash hands before breaks and at the end of work, Precautionary protection of skin through skin ointments.

9. Physical and chemical properties

9.1 Appearance	
State of aggregation	Solid
Shape	Flaky
Color	Black/Green
Smell	Odourless

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9.2 Safety-relevant data	
pH value	n.m.a. (not meaningfully applicable)
Melting point	Approx. 2200 °C
Solidification point	n.m.a. (not meaningfully applicable)
Boiling point	n.m.a. (not meaningfully applicable)
Flash point	Substance is inorganic.
Autoignition	The product is not self-igniting.
Danger of explosion	The product is not explosive
Relative density	Approx. 3.20 g/cm ³
Water solubility	Insoluble

10. Stability and reactivity

Conditions to be avoided	-
Substances to be avoided	-
Dangerous decomposition points	No dangerous decomposition products Known.
Other details	-

11. Toxicological information

Acute toxicity	-
Irritation and caustic effect on the skin	Not irritating
Irritation and caustic effect on eyes	Not irritating.
Sensitization	No sensitization known.
General comments	-

12. Ecological information

Ecotoxic effects	No damaging effect on water organisms is to be expected.
Information on elimination	This product is according to experience so far, inert and not degradable.
Further information on ecology	With proper handling and use, no environmental problems are to be expected.

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13. Disposal considerations	
Disposal/ waste (product)	Unused granulate: The allocation of the EWC codes/waste descriptions is to be carried out specific to branch and process in accordance with AAV. List of proposals for EWC codes/waste description pursuant to AAV; 120117 Abrasive waste with the exception of waste which comes under 120116.

Uncleaned packaging	Can, taking into account the necessary technical regulations, and after consultation with the disposal agency, be burned together with household waste.
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14. Transport information	
Transport	Not dangerous goods within the meaning of these transport regulations.

15. Regulations	
15.1 Labeling	
Labeling in accordance with EC Directive.	The preparations are not subject to labeling requirement under EC directives.
Code letter and description of danger	-
Danger-determining component for labeling	-
Danger symbols and descriptions of danger	-
R-sentences	-
S-sentences	26 in case of contact with eyes, immediately rinse thoroughly with water and consult doctor. 37/39 wear suitable protective gloves and protective goggles when working.
15.2 National regulations	
Major Accidents Ordinance	-
Technical guidelines regarding air	-

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Water endangerment category	Does not endanger water: Classification Pursuant to the Administrative Guideline on water-Endangering substance (VwVwS ,appendix 4
Other regulations, restrictions and banning ordinances	-
15.3 International regulations	All ingredients of this material are listed on the TSCA inventory.
16 Other information	
Wording of the R-sentences under section 2	-
R-sentences	-
Recommended restriction of use	-
Reason for change (details in the safety Data sheet)	-
Further information	The details in this sheet correspond the best of our knowledge to our findings at the time of printing, the information is intended to provide indications on how to use the product named in this sheet safely in respect of storage, processing, transport and disposal, The information is not transferable to other products.

