

1 Identification of the substance / preparation and of the company**Buehler Silicon Carbide Powder**

Registration number:	not applicable
Use:	Abrasive
Identified use:	none
Method of operation:	See product information.
Company:	Buehler GmbH In der Steele 2 D-40599 Düsseldorf / GERMANY Phone: 0800 707 6273 Fax: 0800 707 6274 Homepage: www.buehler-met.de/en/ E-mail: sales@buehler.co.uk
Emergency phone:	0800 707 6273 (Only valid if dialled within the UK) +49 (0) 211 974100
Responsible:	Simonavicius@chemiebuero.de

2 Hazards identification

Physico-chemical hazards:	No particular hazards known.
Human health dangers:	No particular hazards known.
Environmental hazards:	The product/the substance is not hazardous to water.
Other hazards:	none
Hazard symbols:	none
R-phrases:	none

3 Composition / Information on ingredients

Range [%]	Substance
0,1 - 1	crystalite
	Registration: CAS: 14464-46-1, EINECS/ELINCS: 238-455-4, EU-INDEX: , ECBnr:
	GHS/CLP:
	EEC: Xn, R48/20
0,1 - 1	Quartz (< 10µm)
	Registration: CAS: 14808-60-7, EINECS/ELINCS: 238-878-4, EU-INDEX: , ECBnr:
	GHS/CLP:
	EEC: Xn, R48/20

Comment on component parts: For the wording of the listed risk phrases refer to section 16.

4 First aid measures

General information:	none
Inhalation:	Ensure supply of fresh air. In the event of symptoms seek for medical treatment.
Skin contact:	When in contact with the skin, clean with soap and water. In the event of symptoms seek for medical treatment.
Eye contact:	In case of contact with eyes rinse thoroughly with water. In the event of symptoms seek for medical treatment.
Ingestion:	In the event of symptoms seek for medical treatment.
Advice to doctor:	Treat symptomatically.

5 Fire-fighting measures

Suitable extinguishing media:	Product itself is non-combustible. Fire extinguishing method of surrounding areas must be considered.
Extinguishing media that must not be used:	Full water jet.
Special exposure hazards arising from the substance or preparation itself or combustion products:	Unknown risk of formation of toxic pyrolysis products.
Special protective equipment for firefighters:	Use self-contained breathing apparatus.
Additional information:	none

6 Accidental release measures

Personal precautions:	Avoid dust formation. Ensure adequate ventilation.
Environmental precautions:	not applicable
Methods for cleaning up:	Take up mechanically. Avoid raising dust. Dispose of absorbed material in accordance within the regulations.

7 Handling and storage

Advice on safe handling:	Avoid the formation and deposition of dust. Provide vacuuming if dust raised.
Advice on protection against fire and explosion:	No special measures necessary.
Requirements for storage rooms and vessels:	No special measures necessary.
Advice on storage compatibility:	No special measures necessary.
Further information on storage conditions:	Store in a dry place.

8 Exposure controls / personal protection

Additional advice on system design: Ensure adequate ventilation on workstation.

Ingredients with occupational exposure limits to be monitored:

Range [%]	Substance / WEL: Workplace exposure limit
0,1 - 1	cristobalite / -ppm, 0,3mg/m ³ , 14/3,37,38,51/2,76
0,1 - 1	Quartz (< 10µm) / -ppm, 0,1mg/m ³ , respirable, crystalline

Respiratory protection:	Breathing apparatus in the event of high concentrations. Short term: filter apparatus, filter P1.
Hand protection:	Butyl rubber, >120 min (EN 374). The details concerned are recommendations. Please contact the glove supplier for further information.
Eye protection:	Safety glasses.
Skin protection:	not applicable
General protective measures:	Avoid contact with eyes. Do not inhale dust.
Hygiene measures:	Wash hands before breaks and after work. Use barrier skin cream.
Delimitation and monitoring of the environmental exposition:	not determined

9 Physical and chemical properties

Form:	powder
Color:	grey black
Odor:	odourless
pH-value:	not applicable
pH-value (1 %):	not applicable
Boiling point [°C]:	not determined not applicable
Flash point [°C]:	not applicable
Flammability [°C]:	not applicable
Lower explosion limit:	not applicable
Upper explosion limit:	not applicable
Oxidizing properties:	no
Vapour pressure [kPa]:	not applicable
Density [g/ml]:	3,2 (20°C)
Bulk density [kg/m³]:	700-1700
Solubility in water:	insoluble virtually insoluble
Partition coefficient [n-octanol/water]:	not applicable
Viscosity:	not applicable
Relative vapour density determined in air:	not applicable
Evaporation speed:	not applicable
Melting point [°C]:	not determined not determined
Autoignition temperature [°C]:	not applicable
Decomposition temperature:	> 2300

10 Stability and reactivity

Hazardous reactions:	No hazardous reactions known.
Hazardous decomposition products:	No hazardous decomposition products known.

11 Toxicological information

Acute oral toxicity:	not determined
Acute dermal toxicity:	not determined
Acute inhalational toxicity:	not determined
Irritant effect on eye:	not determined
Irritant effect on skin:	not determined
Sensitization:	not determined
Subacute toxicity:	not determined
Chronic toxicity:	not determined
Mutagenicity:	not determined
Reproduction toxicity:	not determined
Carcinogenicity:	not determined
Experiences made in practice:	none
General remarks:	No classification on the basis of the calculation procedure of the preparation directive.

12 Ecological information

Fish toxicity:	not determined
Daphnia toxicity:	not determined
Behaviour in environment compartments:	not determined
Behaviour in sewage plant:	not determined
Bacteria toxicity:	not determined
Biological degradability:	not determined
COD:	not determined
BOD 5:	not determined
AOX-advice:	No dangerous components.
2006/11/EC:	not applicable
General information:	No classification on the basis of the calculation procedure of the preparation directive.

13 Disposal considerations

Product:	Coordinate disposal with the authorities if necessary.
Contaminated packaging:	Uncontaminated packaging may be taken for recycling.
Waste no. (recommended):	060399 120117

14 Transport information

Classification according to ADR:	NO DANGEROUS GOODS
Classification according to IMDG:	NOT CLASSIFIED AS "DANGEROUS GOODS"
Classification according to IATA:	NOT CLASSIFIED AS "DANGEROUS GOODS"

15 Regulatory information

Exposure scenario:	not determined
Chemical safety report:	not determined
LABELLING 1999/45 EG:	The product does not require a hazard warning label in accordance with EC-directives.
Hazard symbols:	none
R-phrases:	none
S-phrases:	none
Special labelling:	Safety data sheet available for professional user on request.
Authorisation, TITEL VII:	not applicable
Restrictions, TITEL VIII:	not applicable
EEC-REGULATIONS:	1967/548 (2008/58, 30. ATP/ 31. ATP); 1991/689 (2001/118); 1999/13; 2004/42; 648/2004; 1907/2006; 1272/2008; 75/324/EWG (2008/47/EG
TRANSPORTREGULATIONS:	DOT-Classification, ADR (2009); IMDG-Code (34. Amdt.); IATA-DGR (2010).
NATIONAL REGULATIONS:	EH40/2005 Workplace exposure limits with amendments October 2007. CHIP 3/ CHIP 4

16 Other informations

R-phrases (Chapter 03):	R 48/20: Harmful - danger of serious damage to health by prolonged exposure through inhalation.
Observe employment restrictions for people:	no
VOC (1999/13/CE):	0 %

Disclaimer: This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.
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