MATERIAL SAFETY DATA SHEET
conforming to 91/155/EEC

58750 - 58760 Carborundum

Edition: 17.10.2003

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COM PANY/UNDERTAKING

Product Information:
Product Name/Article No.: Carborundum F 400 - 58750
Carborundum F 120 - 58760

Application: Artists' and Restoration Material

Company: Kremer Pigmente GmbH & Co. KG
Hauptstrasse 41-47, D - 88317 Aichstetten
Tel. +49 7565 914480 Fax. +49 7565 1606
www.kremer-pigmente.de, kremer-pigmente@t-online.de

2. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Characterization:
Silicon carbide SiC

CAS-Number: 000409-21-2

3. HAZARD IDENTIFICATION

Hazard designation: void
Information pertaining to particular dangers for man and environment: void

4. FIRST AID MEASURES

After inhalation: No measures required.
After skin contact: No measures required.
After eye contact: Rinse open eye for several minutes under running water. If symptoms persist consult eye specialist.
After ingestion: No measures required.

5. FIRE-FIGHTING MEASURES

General information: SiC itself is not inflammable. Suitable extinguishing media according to surrounding fire.
Unsuitable extinguishing media: None known.
Special risks: None known.

6. ACCIDENTAL RELEASE MEASURES

Person-related safety measures:	see section 8
Environmental protective measures:	none required
Methods of cleaning/adsorption:	Take-up product mechanically.

7. HANDLING AND STORAGE

Handling

Instructions on safe handling:	Avoid the formation of dust. See section 5. No danger of dust explosion if stored, handled and transported accordingly.

Storage

Storage conditions:	No special measures required.
Packaging material recommended:	Paperbags, metal containers.
Storage class (VCI):	13

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Additional information about design of technical systems: ---

Exposure limits:	MAK-Value: max. 4 mg/m^3 finest dust of SiC (see section 16)

Respiratory protection:	In case the MAK-value is exceeded: use a dust mask with filter.
Hand protection:	protective gloves
Eye protection:	safety glasses recommended

9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	solid; pieces, grainy or powder
Color:	dark/black/green
Odor:	odorless

Changes in physical state:	
Melting point/Melting range:	SiC does not melt
Flash point:	not applicable (n.a.)
Inflammability:	n.a.
Danger of explosion:	n.a.
Density:	3.20 - 3.22 g/cm^3
Bulk density:	700 - 1700 kg/m^3
Solubility in water:	insoluble
pH-value:	n.a.
Partition coefficient (n-octanol/ water):	n.a.

10. STABILITY AND REACTIVITY

Stability:	Stable when used according to specifications (see section 7).
Conditions to be avoided:	not applicable
Substances to be avoided:	not applicable
Hazardous decomposition products:	Not applicable when used according to specifications (see section 7).

11. TOXICOLOGICAL INFORMATION

General information:	Silicon carbide is a non-toxic product. When used according to specifications, no hazardous effects are expected (see section 16).
Acute toxicity:	not applicable

12. ECOLOGICAL INFORMATION

Elimination:	Insoluble in water. Separated by sedimentation.
Ecotoxicological effects:	No data available. When used according to specifications, no environmental problems are expected

13. DISPOSAL CONSIDERATIONS

Product:	May disposed of with other standard waste. Follow national and local environmental control regulations.
Waste number:	31444
Packaging:	-

14. TRANSPORT INFORMATION

Transport/Additional information: Non-hazardous goods.

15. REGULATORY INFORMATION

Designation according to EC guidelines: The material is not subject to classification according to EC lists.

16. OTHER INFORMATION

According to the investigation published by the University of Essen (Germany), no toxic or cancerous effects have been found for silicon carbide. SiC was chemically inert.

The investigations are published in the `British Journal of Industrial Medicine´ 1993, Vol.50, No. 9, Part 1, pp. 797-806 and Part 2, pp. 807-813:
"Toxicological investigations on Silicon Carbide:
1. Inhalation studies.
2. On vitro cell tests and long term injection tests."

This product should be stored, handled and used in accordance with good hygiene practices and in conformity with any legal regulations. This information contained herein is based on the present state of knowledge and is intended to describe our product from the point of view of safety requirements. It should therefore not be construed as guaranteeing specific properties.