

CTM POTTERS SUPPLIES

SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product information:

Product Name : Silicon Carbide
Chemical Name : Silicon Carbide
Synonyms : None
Company : CTM Potters Supplies
Unit 10A, Millpark Industrial Estate
White Cross Road
Woodbury Salterton
Nr. Exeter
EX5 1EL
Telephone : 01395-233-077
Fax : 01395-233-905

2. COMPOSITION/INFORMATION ON INGREDIENTS

| Ingredients | CAS Number | EC Number | % of composition |
|-------------|------------|-----------|------------------|
| SiC | 409-21-2 | 2069918 | >98 |

3. HAZARD IDENTIFICATION

Inhalation: Excessive exposure may cause symptoms of chronic lung disease.
Ingestion: The product is of low solubility in body fluids and it is likely to be of low toxicity.
Eyes: May cause physical irritation and inflammation.
Skin: The material is not a primary irritant, but as with any abrasive powder it may give rise to minor irritation.

4. FIRST AID MEASURES

General Recommendations:

Inhalation: Remove patient to fresh air, loosen tight clothing and seek medical attention immediately.
Ingestion: Do not induce vomiting. Seek medical advice.
Eyes: Wash immediately with copious amounts of water.
Skin: Wash affected areas with plenty of water.

5. FIRE-FIGHTING MEASURES

Extinguishing media: Those suitable for surrounding fire conditions.
Special exposure hazards: None.
Protective personal equipment: None other than required for surrounding fire conditions.

6. ACCIDENTAL RELEASE MEASURES

| | |
|---------------------------------------|---|
| Leaks & Spills: | Use suitable vacuum equipment where reasonably practicable. Otherwise, damp down and scoop into a receptacle. |
| Personal protective equipment: | Respiratory protective equipment. |

7. HANDLING AND STORAGE

| | |
|------------------|--|
| Handling: | Do not eat, drink, or smoke in areas where the material is used. Wash thoroughly after handling the material. |
| Storage: | Store in dry area. |

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

| | |
|---------------------------------------|---|
| Engineering controls: | Adequate ventilation should be provided so that Occupational Exposure Limits are not exceeded. Local Exhaust Ventilation is normally recommended. |
| Personal protective equipment: | Where LEV is not practicable and exposure is likely to be excessive, approved respiratory protection to CEN standards prEN 140, 141, 143 or 149 should be worn. Protective gloves and overalls are recommended for prolonged contact. |

9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|-----------------------|------------------------|
| Appearance: | |
| Form: | powder or grains |
| Colour: | dark grey |
| Odour: | odourless |
| Flash point (°C): | N/A |
| Flammability: | N/A |
| Explosive properties: | Non-explosive |
| Oxidising properties: | None |
| Specific gravity: | 3.2g/cm ³ |
| pH value: | 7 (insoluble in water) |
| Melting point (°C): | Decomposes at 2500°C |

10. STABILITY AND REACTIVITY

| | |
|---|------------------------|
| Chemical stability: | The material is stable |
| Conditions/materials to avoid: | None known. |
| Hazardous decomposition products: | None known. |
| Hazardous polymerization products: | None |

11. TOXICOLOGICAL INFORMATION

| | |
|--------------------------|--|
| Acute toxicology: | No specific toxicological data reported. LD50 Oral: Not known LD50 Dermal: Not known LD50 Inhalation: Not known |
| Health effects: | Prolonged or repeated exposure above Occupational Exposure Standards may cause severe irritation and inflammation. |

12. ECOLOGICAL INFORMATION

| | |
|---------------------|--|
| Ecotoxicity: | Not known. |
| Persistence: | The product is stable and will persist in the environment. |

13. DISPOSAL CONSIDERATIONS

Dispose in accordance with current waste disposal regulations (for UK – Control of Pollution (Special Waste) Regulations 1980). Landfill is the most appropriate method.

14. TRANSPORT INFORMATION

| | | |
|---------------|------|----------------|
| UN/SI No. | | Not classified |
| UN Class | | Not classified |
| Packing Group | | Not classified |
| Road | UK | Not classified |
| | ADR | Not classified |
| Sea | IMO | Not classified |
| Air | ICAO | Not classified |

15. REGULATORY INFORMATION

| | | | |
|---|----------------------------|--|---------------|
| EC Supply Labelling: | Non hazardous | | |
| R-Phrases: | None | | |
| S-Phrases: | Optional for dusty powders | | |
| | S20/21 | when using do not eat, drink or smoke. | |
| | S38 | in case of insufficient ventilation wear suitable respiratory equipment. | |
| UK Occupational exposures limits*: | Mg/m ³ | 8 hr TWA | % in product. |
| Dusts – total inhalable | 10 | -- | |
| Dusts – total respirable | 5 | -- | |

*Refer to HSE Guidance note EH40

In accordance with HSE Approved Code of Practice for CHIP, the recipient is reminded of their obligations under both the Health and Safety at Work Act (HSWA) and the Control of Substances Hazardous to Health Regulations (COSHH), and that the information in any safety data sheet does not constitute the user's assessment of workplace risk.

16. OTHER INFORMATION**References:**

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|----------------|---|
| COSHH ACOP | HSC approved Code of Practice for the Control of Substances Hazardous to Health Regulations 1994 |
| CHIP 96 | Chemicals (Hazard Information and Packaging for Supply) Regulations 1996 |
| CHIP SDS ACOPS | HSC Approved Code of Practice for Safety Data Sheets in accordance with regulation 6 of the CHIP regulations. |
| HSE EH40 | HSE Guidance note EH40 on Occupational Exposure Limits to be used in conjunction with the COSH regulations. |

Further information:

Data sheet producing department: CTM Potters Supplies
Telephone: 01395-233-077

Disclaimer:

The information contained in this safety data sheet has been prepared using the best available information, however in view of technical developments, this may alter. The material must only be used for its stated purpose and the information contained within this data sheet is offered solely for use in the evaluation of this product in respect of safety, health and environmental hazards. Due to the many factors outside our control when using this product, we cannot accept liability for any injury, accident, loss or damage caused through its use.