

CARBORUNDUM GRIT MATERIAL SAFETY DATA SHEET

1. PRODUCT & COMPANY IDENTIFICATION

Product Identification: Carborundum Grit

Supplier: Intaglio Printmaker
9 Playhouse Court
62 Southwark Bridge Road
London
SE1 0AT
Tel: +44 (0) 207 928 2633
Email: info@intaglioprintmaker.com

2. COMPOSITION / INFORMATION ON INGREDIENTS

- **Chemical characterisation (substance) - Definition according to EU directive:** Aluminium Oxide (Al_2O_3)
- **CAS no.:** 1344-28-1
- **EINECS No.:** 215-691-6

3. HAZARDS IDENTIFICATION

- **Critical hazards to man and environment:** None

4. FIRST AID MEASURES

- **Inhalation:** No special action required
- **Skin contact:** No special action required
- **Eye contact:** Flush with plenty of water and seek medical attention if irritation persists.
- **Ingestion:** No special action required

5. FIRE-FIGHTING MEASURES

- **General information:** Not inflammable
- **Suitable extinguishing media:** Use extinguishing measures appropriate to the source of the fire.
- **Extinguishing media which must not be used for safety reasons:** None known
- **Special exposure hazards arising from the substance itself, combustion products, resulting gases:** None known
- **Special protective equipment:** Not applicable

6. ACCIDENTAL RELEASE MEASURES

- **Personal precautions:** Avoid dust formation (see also section 8)
- **Environmental precautions:** No special measures required.
- **Methods for cleaning up:** Take up mechanically and dispose of in accordance to regulations.

7. HANDLING AND STORAGE

Handling

- **Precautions for safe handling:** Avoid dust formation
- **Precautions against fire and explosion:** No danger of fire and dust explosion

Storage

- **Conditions of storage rooms and vessels:** No special precautionary measures
- **Advice of storage of incompatible materials:** None
- **Further information for storage:** None

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Controls

- **Further information for system design and engineering measures:** Not applicable
- **Components with specific control parameters as limit values:** Observe the local bylaws in terms of fine dust (e.g. TWVA value 10mg/m³; MAK value 6mg/m³, see also section 16).

Personal Protective Equipment

- **General protection and hygiene measures:** Observe standard industrial hygiene practice
- **Respiratory protection:** Avoid inhaling dust. Fine-dust mask with category P1 filter must be used if fine dust limits are exceeded.
- **Hand protection:** Protective gloves are recommended.
- **Eye protection:** Safety glasses are recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

- **Form:** Grains, powder
- **Colour:** Brown, bluish, grey black, white, pink
- **Odour:** Odourless

Safety

- **Change in physical state:** Melting point approx. >2000°C
- **Flammability:** Not applicable
- **Ignition temperature:** Not applicable
- **Auto flammability:** Not applicable
- **Oxidizing properties:** Not applicable
- **Explosive properties:** Not applicable
- **Explosive limits:** Not applicable
- **Vapour pressure:** Not applicable
- **Specific gravity:** (3,7 -4,5) g/cm³
- **Bulk density:** (500-2500) kg/m³
- **Solubility in water:** Insoluble
- **pH value:** Not applicable
- **Partition coefficient n-octanol/water:** Not applicable

10. STABILITY AND REACTIVITY

- **General information:** The material is stable, no hazardous reactions known.
- **Conditions to avoid:** Not applicable
- **Materials to avoid:** Not applicable
- **Hazardous decomposition products:** None known

11. TOXICOLOGICAL INFORMATION

- **General information:** No hazardous effects known
- **Acute toxicity:** Not known

12. ECOLOGICAL INFORMATION

- **Information on elimination (persistence and degradability):** Chemically inert and insoluble in water. Separation by mechanical processes (sedimentation, filtration etc.)
- **Behaviour in environmental components:** No environmental problems known
- **Ecotoxicity:** None known
- **Further ecological information:** No environmental problems expected, if handled and treated in accordance with standard industrial practice.

13. DISPOSAL CONSIDERATIONS

- **Material:** Can be stored with domestic waste. Observe the local bye-laws.
- **Contaminated packaging:** Not applicable.

14. TRANSPORT INFORMATION

Land Transport

- **GGVS/GGVE Classification:** None hazardous material
- **RIDI/ADR:** None hazardous material

Inland Waterways

- **AND/ADNR Classification:** None hazardous material

Maritime Transport

- **IMDG/GGV Classification:** None hazardous material
- **UN Number:** Not classified

Air Transport

- **ICAO/IATA Classification:** None hazardous material
- **UN /ID Number:** Not classified

15. REGULATORY INFORMATION

Classification according to EU guidelines

- **Danger Symbol and danger-text of the product:** None
- **EC/R:** None

16. OTHER INFORMATION

Studies by the Institute for Hygiene and Industrial Medicine of the University of Essen showed that fused aluminium oxide (corundum) is inert and possesses no toxic or carcinogenic properties.

This information covers the safety requirements of the product(s) exclusively and is based on current knowledge and experience. It does not represent a guarantee for properties of the described product(s) in terms of the legal warranty regulations.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.