

Bath Potters' Supplies

MATERIAL SAFETY DATA SHEET

1. Identification of the preparation/Supplier reference

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| Trade Name | Barn Owl Brown Decorating Slip SLIP/12 |
| Chemical name | Kaolinite, C.I. Pigment Brown 33, Chrome Iron Zinc Alumina Brown- Spinel |
| Synonyms | Kaolins, ball or china clays |
| Supplier | Bath Potters' Supplies, Unit 18 4th Avenue, Westfield Trad Est, Radstock, Somerset, BA3 4XE |
| Emergency numbers | 01761 411 077 |

2. Composition

| Component | CAS | EINECS | % of composition |
|------------------------------------|------------|---------|------------------|
| Kaolinite | N/A | N/A | 54 - 62% |
| Micaceous Mineral | N/A | N/A | 22 - 26% |
| Crystalline Silica (Quartz) | 14808-60-7 | 2388784 | 8 - 12% |
| Chrome Oxide (Cr2O3) | 1313-13-2 | N/A | N/A |
| Zinc Oxide (SnO) | 1314-13-2 | N/A | N/A |
| Iron Oxide Red (FE2O3) | 1309-37-1 | N/A | N/A |
| Aluminium Oxide (Al2O3) | 1344-28-1 | N/A | N/A |

This product is a blend of various metal oxides, salts and some other compounds which are interfused by high temperature calcination to form the insoluble finished product which typically does not exhibit the properties of the individual components

3. Health Hazard Identification

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| Inhalation | In the short term clay dust causes irritation of the respiratory tract, however due to the variable level of quartz in the product, excessive exposure to dust may cause symptoms of chronic lung disease and impaired pulmonary function. Prolonged inhalation of dust containing cobalt may cause serious respiratory illness |
| Ingestion | Product of low solubility in body fluids and likely to be of low acute toxicity. |
| Eyes | Clays are desiccants and prolonged exposure may cause physical irritation and inflammation. |
| Skin | Not a primary irritant, but as with the eyes, any abrasive powder may give rise to irritation. |

4. First Aid Measures

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| Inhalation | Remove patient to fresh air, loosen tight clothing and seek medical attention if the volume of dust was great, or if ill-effects develop. |
| Ingestion | Do not induce vomiting. Rinse mouth with water (provided patient is conscious), and seek medical advice if any ill-effects develop. |
| Eyes | Wash with copious amounts of water and seek medical attention if irritation persists. |
| Skin | Wash affected areas with water. If irritation persists, seek medical attention. |

5. Fire Fighting Measures

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| Extinguishing Media | Suitable for surrounding fire conditions. The product is not explosive or combustible. Standard fire fighting techniques only are required, i.e. water, sand, carbon dioxide, chemical foam extinguishers etc. |
| Special Exposure hazard | None. |
| Protective equipment | None other than required for surrounding fire conditions. |

6. Accidental Release Measures

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| Leaks & Spills | Clay/water mixtures can be sticky and slippery. Where such a mixture wholly or partly covers a surface used for vehicular or personnel movements, a risk of skidding, slipping or falling exists. Remove dry materials either by a vacuum cleaner fitted with a specific P3 particulate filter, or by damping down and scooping in to a receptacle. Small spillages may be washed into drains with plenty of water (provided effluent consent conditions are complied with). |
| Protective equipment | Respiratory protective equipment required for the handling of the material in a dry state. |

7. Handling & Storage

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| Handling | Do not eat, drink, or smoke in areas where the material is used. Wash hands/skin thoroughly after handling. Local exhaust ventilation is recommended to comply with occupational exposure limits (refer to Guidance Note EH40 - latest edition) |
| Storage | Store in sealed packaging (e.g. as supplied) in normal dry conditions. |

8. Exposure Control/Personal protective Equipment

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| Engineering controls | Adequate ventilation should be provided so that Occupational Exposure Limits are not exceeded. Local Exhaust Ventilation is recommended. Good-housekeeping practices should be followed to prevent roads, walkways, etc., becoming coated with clay/water mixtures, and to keep the ambient dust level low. |
| 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, which do not retain dust, are recommended for prolonged contact. |

9. Physical & Chemical properties

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|----------------------|----------------|
| Appearance & Odour | Black Liquid |
| Flash point (°C) | Not applicable |
| Flammability | Not applicable |
| Explosive properties | Non-explosive |
| Oxidising properties | Non-oxidising |
| Specific gravity | 2.5 - 2.6 |
| pH value | 5.2 |
| Melting point (°C) | N/A |

10. Stability & Reactivity

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|-----------------------------------|---|
| Chemical stability | The material is stable |
| Conditions/materials to avoid | Contact with moisture will hydrate and degrade the dry form of the product. |
| Hazardous decomposition products | None known |
| Hazardous polymerisation products | None known |

11. Toxicology Information

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| Acute toxicology | LD ₅₀ Oral | Not known |
| | LD ₅₀ Dermal | Not known |
| | LD ₅₀ Inhalation | Not known |
| Health effects | Prolonged or repeated inhalation of dry dust (crystalline silica) above Occupational Exposure Standards, may result in chronic lung damage (silicosis). | |

12. Ecological information

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| Ecotoxicity | Chemically inert, and does not react readily with most common substances at room temperatures and pressures. |
| Persistence | Product is soluble in water |

13. Disposal

Dispose in accordance with current waste Disposal regulations (for UK - Control of Pollution (Special Waste) Regulations 1996). Landfill is the most appropriate method. Small amounts may be washed into trade effluent drains, provided effluent conditions are complied with.

14. Transport Information

| | | |
|---------------|------|----------------|
| UN/SI No. | | None |
| 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 | None required by directive 88/379/EEC | | |
| R-Phrases | None required | | |
| S-Phrases | Optional safety phrases; | | |
| | S20/21 | When using do not eat, drink or smoke. | |
| | S22/23 | Do not breath dust or fumes/spray | |
| | S38 | In case of insufficient ventilation wear suitable respiratory equipment. | |
| | Mg/m ³ 8 hr TWA | | % in product |

UK Occupational exposures limits*

| | | | | |
|-------------------|--------------|-----|----------|----------|
| Kaolinite | - inhalable | | | |
| | - respirable | 10 | | |
| Micaceous mineral | - inhalable | 5 | | |
| Quartz | | 10 | 54 – 62% | |
| | | | ditto | |
| | - respirable | 1 | | |
| | - inhalable | 0.3 | 8 – 10% | 22 – 26% |
| | - respirable | 0.1 | ditto | ditto |

* Refer to HSE Guidance note EH40

In accordance with the H.S.E. 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

General industrial hygiene practices are recommended when handling and using this product.

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| COSHH ACOP: | H.S.C. 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 ACOP: | H.S.C. 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 COSHH regulations. |

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.