



COMMERCIAL CLAY LTD

PROCESSORS OF CLAY FOR CRAFT EDUCATION AND INDUSTRY

SANDBACH ROAD, COBRIDGE, STOKE-ON-TRENT ST6 5DF

SAFETY DATA SHEET

POTTERY CLAY AND SLIPS

| PRODUCT CHARACTERISTICS | |
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| CHEMICAL NATURE: | MIXTURE OF CLAY MINERALS, GROUND CERAMIC FLUXES, CRYSTALLINE SILICA (QUARTZ AND/OR CRISTOBALITE) FIRECLAY GROSS AND WATER. |
| APPEARANCE AND ODOUR: | ODOURLESS PLASTIC MASS OR LIQUID SUSPENSION (CASTING SLIP). |
| MELTING POINT: | GREATER THAN 1000 DEG C (SOLID COMPONENT). |
| SOLIDS CONTENT: | APPROXIMATELY 80% PLASTIC CLAY 70% CASTING SLIP |

HEALTH HAZARD DATA

SUPPLIED IN PUGGED CLAY, PRESS-CAKE OR CASTING SLIP FORM, THE PRODUCT DOES NOT GIVE RISE TO SIGNIFICANT HEALTH HAZARD. HOWEVER, DUE TO THE CRYSTALLINE SILICA CONTENT, UP TO 50% ON DRY WEIGHT BASIS, THE MATERIAL MAY GIVE RISE TO HEALTH HAZARD THROUGH INHALATION IF IT IS TRANSFORMED INTO DUST. PROLONGED AND REPEATED INHALATION OF QUARTZ DUST (USUALLY OVER A PERIOD OF YEARS) CAN GIVE RISE TO LUNG DAMAGE AND IMPAIRED BREATHING.

CLAY WHICH DRIES OUT ON THE SKIN MAY GIVE RISE TO IRRITATION. INGESTION IS NOT KNOWN TO CAUSE SERIOUS ILL-EFFECTS.

SPILLAGES OF CLAY AND/OR SLIP WET ON FLOOR MAY GIVE RISE TO SLIPPERY CONDITIONS.

DURING THE FIRING OF CLAY, POTENTIALLY HARMFUL VAPOURS AND GASES MAY BE EVOLVED. THEREFORE KILNS SHOULD BE HOUSED IN A WELL-VENTILATED ROOM WHERE ALL GASES ARE EXHAUSTED TO THE ATMOSPHERE.

RECOMMENDED PROTECTIVE MEASURES

PROTECTIVE APRON OR OVERALLS, MADE FROM FABRIC HAVING A LOW DUST RETENTION VALUE, SHOULD BE WORN. CLAY ITEMS SHOULD BE FETTLER WHILE THEY STILL RETAIN MOISTURE TO AVOID THE GENERATION OF DUST. IF DUSTY CONDITIONS EXIST, A SUITABLE RESPIRATORY PROTECTIVE DEVICE SHOULD BE WORN, (E.G. 3M 8800 DUST MASK) OR DUST EXTRACTION PROVIDED.

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EMERGENCY AND FIRST AID PROCEDURES

ALL CONTAMINATION OF THE SKIN AND MOUTH SHOULD BE WASHED AWAY WITH WATER. IF INGESTED GIVE PLENTY OF WATER TO DRINK AND CONSULT MEDICAL OPINION. IF CLAY GETS INTO EYES WASH THE AFFECTED PART WITH WATER FOR 15 MINUTES. CONSULT MEDICAL OPINION AFTER EYE CONTACT OR IF ILL-EFFECT CONTINUED.

SPILLAGE AND WASTE DISPOSAL

COLLECT ALL SPILLAGES IMMEDIATELY AND DISPOSE OF AS NON-TOXIC WASTE IN ACCORDANCE WITH LOCAL REGULATIONS. IF DRY CLAY OR SLIP FORMS DUST ON FLOORS OR SHELVES COLLECT BY USE OF VACUUM CLEANER FITTED WITH AN EFFICIENT FILTER OR WASH TO DRAINS WITH PLENTY OF WATER. NOTE EFFLUENT CONTROL LIMITS MUST BE ADHERED TO.

LABELLING

UNDER E.E.C REGULATIONS THE PRODUCT IS NOT CLASSIFIED AS DANGEROUS FOR SUPPLY OR CONVEYANCE. STATUTORY INSTRUMENT 1984, No.1244 IN THE U.K.

OTHER INFORMATION

THE PRODUCT IS NON-FLAMMABLE. STORE AT 5 - 25°C IN PACKAGING SUPPLIED.

IF CLAY DUST IS GENERATED, SUITABLE PRECAUTIONS I.E. PROVISION OF DUST EXTRACTION, SHOULD BE TAKEN. OCCUPATION EXPOSURE LIMITS (REF. GUIDE NOTE EH40/B9 HEALTH AND SAFETY EXECUTIVE 8 HOUR TWA).

OBSERVE THE LATEST PUBLISHED LIMITS.

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| QUARRY | 0.3 M.M. ⁻³ TOTAL INCAPABLE DUST |
| | 0.1 M.M. ⁻³ RESPIRABLE DUST |
| CRISTOBALITE | 0.15 M.M. ⁻³ TOTAL INCAPABLE DUST |
| | 0.05 M.M. ⁻³ RESPIRABLE DUST |

THIS SUPPLY DATA SHEET COVERS ALL CLAY BODIES AND CASTING SLIPS PRODUCED BY COMMERCIAL CLAY LIMITED.

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