

MATERIAL SAFETY DATA SHEET

SECTION I PRODUCT INFORMATION

MANUFACTURER: THE POTTERY SUPPLY HOUSE LTD.
ADDRESS: 1120 SPEERS ROAD
OAKVILLE, ONTARIO L6L 2X4
SUPPLIER: THE POTTERY SUPPLY HOUSE LTD. TEL: 1 800 465-8544
ADDRESS: 1120 SPEERS ROAD 905 849-5540
OAKVILLE, ONTARIO L6L 3X4 FAX: 905 849-0001
MATERIAL NAME: **CLAY BODY No. 519S**
MATERIAL USE: A MOIST STONEWARE CLAY FOR MODELING AND POTTING

SECTION II HAZARDOUS INGREDIENTS

| INGREDIENT | % | C.A.S.# | LD50 | LC50 |
|----------------|-------------|------------|------|------|
| SILICA, QUARTZ | 10.0 - 30.0 | 14808-60-7 | N.A. | N.A. |
| TALC | 3.0 - 7.0 | 14807-96-6 | N.A. | N.A. |

SECTION III PHYSICAL DATA

PHYSICAL STATE: MIXED PHASE, APPROX. 80% SOLID (SILICATE MINERALS), 20% LIQUID (WATER)
ODOUR / APPEARANCE: GRAY, WITH EARTHY ODOUR
ODOUR THRESHOLD: NOT AVAILABLE
SPECIFIC GRAVITY: NOT AVAILABLE
VAPOUR PRESSURE: NOT AVAILABLE
VAPOUR DENSITY: NOT AVAILABLE
EVAPORATION RATE: NOT AVAILABLE
BOILING POINT: NOT AVAILABLE
FREEZING POINT: APPROXIMATELY 0° C (WATER)
PH: NOT AVAILABLE
COEFF. WATER/OIL: NOT AVAILABLE
DISTRIBUTION: NOT AVAILABLE

SECTION IV FIRE OR EXPLOSION HAZARD

CONDITIONS OF FLAMMABILITY: NOT FLAMMABLE
MEANS OF EXTINCTION: NOT APPLICABLE
FLASHPOINT, METHOD OF DETERMINATION: NOT APPLICABLE
UPPER FLAMMABLE LIMIT: NOT APPLICABLE
LOWER FLAMMABLE LIMIT: NOT APPLICABLE
AUTO-IGNITION TEMPERATURE: NOT APPLICABLE
HAZARDOUS COMBUSTION PRODUCTS: MAY LIBERATE CARBON MONOXIDE, CARBON DIOXIDE AND SULPHUR DIOXIDE.
SENSITIVITY TO MECHANICAL IMPACT: NONE
SENSITIVITY TO STATIC DISCHARGE: NONE

SECTION V REACTIVITY DATA

CONDITIONS UNDER WHICH PRODUCT IS CHEMICALLY UNSTABLE: NONE KNOWN
NAME OF INCOMPATIBLE SUBSTANCES: POWERFUL OXIDIZING AGENTS SUCH AS FLUORINE, CHLORINE TRIFLUORIDE AND OXYGEN DIFLUORIDE.
CONDITIONS OF REACTIVITY: CONTACT WITH STRONG ACIDS.
HAZARDOUS DECOMPOSITION PRODUCTS: MAY RELEASE CARBON DIOXIDE, CARBON MONOXIDE AND SULPHUR DIOXIDE WHEN HEATED ABOVE 260° C

SECTION VI TOXICOLOGICAL PROPERTIES

ROUTE OF ENTRY SKIN CONTACT: MECHANICAL IRRITATION IS POSSIBLE BUT UNLIKELY. REFER TO ACUTE EFFECTS.
SKIN ABSORPTION: NONE
EYE CONTACT: DRIED CLAY DUST MAY CAUSE EYE IRRITATION.
INHALATION: MAY CAUSE DAMAGE TO THE LUNGS BY INHALATION OF DUST. REFER TO CHRONIC EFFECTS.
INGESTION: UNLIKELY TO BE TOXIC BY INGESTION.

SECTION VI TOXICOLOGICAL PROPERTIES, CONTINUED....

| | |
|---|--|
| EFFECTS OF ACUTE EXPOSURE: | MAY CAUSE DRYING AND REDDENING OF THE SKIN. MAY CAUSE EYE IRRITATION. REPEATED MASSIVE APPLICATIONS IN OPEN WOUNDS MAY CAUSE GRANULOMA FORMATION. |
| EFFECTS OF CHRONIC EXPOSURE: | PROLONGED EXPOSURE TO EXCESSIVE AIRBORNE CONCENTRATIONS OF TALC CAN RESULT IN SCARRING OF THE LUNGS (PNEUMONCONIOSIS) CAUSING COUGH OR SHORTNESS OF BREATH AND TO PLEURAL THICKENING (USUALLY, NO SYMPTOMS). OVEREXPOSURE TO RESPIRABLE CRYSTALLINE SILICA DUST MAY CAUSE: 1/ SILICOSIS, A FORM OF PROGRESSIVE PULMONARY FIBROSIS. 2/ SCLERODERMA, AN IMMUNE SYSTEM DISORDER MANIFESTED BY AFIBROSIS OF THE LUNGS, SKIN AND OTHER INTERNAL ORGANS. SILICOSIS INCREASES THE RISK OF TUBERCULOSIS. RECENT EVIDENCE SUGGESTS AN ASSOCIATION BETWEEN RESPIRABLE EXPOSURE AND A HIGHER INCIDENCE OF KIDNEY LESIONS. SOME STUDIES SHOW AN INCREASED INCIDENCE IN BRONCHITIS AND EMPHYSEMA IN WORKERS EXPOSED TO RESPIRATORY CRYSTALLINE SILICA. CRYSTALLINE SILICA INHALED FROM OCCUPATIONAL SOURCES IS CLASSIFIED (IARC) AS CARCINOGENIC TO HUMANS. |
| EXPOSURE LIMITS - TIME WEIGHTED AVERAGE EXPOSURE VALUES (TWA EV): | SILICA, QUARTZ 0.1 mg./m ³ TALC 2.0 mg./m ³ |
| IRRITANCY OF PRODUCT: | REFER TO ROUTE OF ENTRY |
| SENSITIZATION OF PRODUCT: | NO KNOWN EFFECTS |
| CARCINOGENICITY OF PRODUCT: | REFER TO CHRONIC EFFECTS. THIS PRODUCT IS FORMULATED WITH BALL CLAY CONTAINING TRACE AMOUNTS (PARTS PER TRILLION) OF 2,3,7,8-TCDD (DIOXIN), A KNOWN (IARC) HUMAN CARCINOGEN. |
| TERATOGENICITY OF PRODUCT: | NO KNOWN EFFECTS |
| MUTAGENICITY OF PRODUCT: | NO KNOWN EFFECTS |
| SYNERGISTIC MATERIALS: | NONE KNOWN |

SECTION VII PREVENTATIVE MEASURES

| | |
|---|--|
| PERSONAL PROTECTIVE EQUIPMENT TO BE USED: | AN APPROVED RESPIRATOR AND PROTECTIVE EYE WEAR SHOULD BE WORN WHENEVER THE TOOLING, CRUSHING OR GRINDING OF DRIED CLAY OBJECTS GIVES RISE TO RESPIRABLE DUST. INDIVIDUALS WHO ARE PARTICULARLY SENSITIVE TO THE SKIN-DRYING EFFECTS OF CLAY SHOULD WEAR PROTECTIVE LATEX GLOVES. |
| ENGINEERING CONTROLS TO BE USED: | IF RESPIRABLE DUST IS RAISED, PROVISION SHOULD BE MADE FOR ADEQUATE LOCAL EXHAUST. WHEN FIRING, USE A DOWNDRAFT OR OVERHEAD HOOD-TYPE EXHAUST SYSTEM |
| PROCEDURES TO BE FOLLOWED IN CASE OF SPILL: | NOT APPLICABLE |
| WASTE DISPOSAL: | IN ACCORDANCE WITH LOCAL, PROVINCIAL AND FEDERAL LAWS. NOT A HAZARDOUS WASTE. |
| HANDLING PROCEDURES: | NONE REQUIRED. |
| STORAGE REQUIREMENTS: | NONE |
| SPECIAL SHIPPING INFORMATION: | NONE |

SECTION VIII FIRST AID MEASURES

| | |
|----------------|---|
| EYE EXPOSURE: | FLUSH THOROUGHLY WITH WATER. SEEK MEDICAL ATTENTION IF IRRITATION PERSISTS. |
| SKIN EXPOSURE: | WASH THOROUGHLY AND APPLY MOISTURIZING HAND CREAM TO DRIED, REDDENED SKIN. |
| INGESTION: | UNLIKELY TO REQUIRE TREATMENT. FOR MASSIVE INGESTION, SEEK MEDICAL ATTENTION. |
| INHALATION: | NO SPECIFIC FIRST AID IS NECESSARY SINCE THE ADVERSE HEALTH EFFECTS ASSOCIATED WITH EXPOSURE TO CRYSTALLINE SILICA RESULT FROM CHRONIC EXPOSURES. |

SECTION IX PREPARATION INFORMATION

MSDS PREPARED BY: JON WALLS
PREPARATION DATE: FEBRUARY 17, 2011

ALTHOUGH REASONABLE CARE HAS BEEN TAKEN IN THE PREPARATION OF THE INFORMATION CONTAINED HEREIN, THE POTTERY SUPPLY HOUSE EXTENDS NO WARRANTIES, MAKES NO REPRESENTATION AND ASSUMES NO RESPONSIBILITY AS TO THE ACCURACY OR SUITABILITY OF SUCH INFORMATION FOR APPLICATION TO PURCHASER'S INTENDED PURPOSES OR FOR CONSEQUENCES OF ITS USE.