

MATERIAL SAFETY DATA SHEET

SECTION I PREPARATION AND PRODUCT INFORMATION

MANUFACTURER: THE POTTERY SUPPLYHOUSE LTD.
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OAKVILLE, ONTARIO L6L 3X4 FAX: 905 849-0001
MATERIAL NAME: **CLAY BODY No. 700**
MATERIAL USE: A MOIST EARTHENWARE CLAY FOR MODELING AND POTTING

SECTION II HAZARDOUS INGREDIENTS

INGREDIENT	%	C.A.S.#	LD50	LC50
SILICA, QUARTZ	0.1 - 2.0	14808-60-7	N.A.	N.A.
TALC	29.0 - 38.0	14807-96-6	N.A.	N.A.

NOTE: UNTIL MAY, 2011, # 700 WAS MADE WITH CANTAL (TALC), A MATERIAL THAT IS NO LONGER AVAILABLE. ITS REPLACEMENT, AMTAL, MAY CONTAIN MORE CRYSTALLINE SILICA. THE CURRENT MSDS REFLECTS THIS CHANGE; WHILE STILL VERY LOW COMPARED TO OTHER CLAY BODIES, **THE CRYSTALLINE SILICA CONTENT IN # 700 MAY NOW BE HIGHER.**

SECTION III PHYSICAL DATA

PHYSICAL STATE: MIXED PHASE, APPROX. 80% SOLID (SILICATE MINERALS), 20% LIQUID (WATER)
ODOUR / APPEARANCE: CREAM-WHITE, 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 DISTRIBUTION: NOT AVAILABLE

SECTION IV FIRE OR EXPLOSION HAZARD

CONDITIONS OF FLAMMABILITY: NOT FLAMMABLE
MEANS OF EXTINGUISHMENT: 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: NONE
EXPLOSION DATA,
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: REACTS WITH STRONG ACIDS, ALKALIS AND OXIDIZING MATERIALS
CONDITIONS OF REACTIVITY: CONTACT WITH STRONG ACIDS AND OXIDIZING MATERIALS
HAZARDOUS DECOMPOSITION PRODUCTS: NONE KNOWN

SECTION VI TOXICOLOGICAL PROPERTIES

ROUTE OF ENTRY	SKIN CONTACT: SKIN ABSORPTION: EYE CONTACT: INHALATION: INGESTION:	MECHANICAL IRRITATION IS POSSIBLE BUT UNLIKELY. REFER TO ACUTE EFFECTS. NONE DRY CLAY DUST MAY CAUSE ABRASION OF THE CORNEA. MAY CAUSE DAMAGE TO THE LUNGS BY INHALATION OF DUST. UNLIKELY TO BE TOXIC BY INGESTION.
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 A FIBROSIS 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. 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.	
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: JUNE 29, 2011

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