

# MATERIAL SAFETY DATA SHEET

## SECTION I PREPARATION AND 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. 570F**  
MATERIAL USE: A MOIST STONENWARE CLAY FOR MODELLING AND POTTING

## SECTION II HAZARDOUS INGREDIENTS

INGREDIENT	%	C.A.S.#	LD50	LC50
CRYSTALLINE SILICA	4.6 - 25.1			
INCLUDING, QUARTZ		14808-60-7	N.A.	N.A.
CRISTOBALITE		14464-46-1	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 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.

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: NONE KNOWN

CONDITIONS OF REACTIVITY: NONE KNOWN

HAZARDOUS DECOMPOSITION PRODUCTS: WHEN HEATED ABOVE 260°C, SO<sub>2</sub>, CO AND CO<sub>2</sub> GASES ARE RELEASED.

## SECTION VI TOXICOLOGICAL PROPERTIES

ROUTE OF ENTRY SKIN CONTACT: MECHANICAL IRRITATION IS POSSIBLE BUT UNLIKELY.

SKIN ABSORPTION: NONE

EYE CONTACT: DRY CLAY DUST MAY CAUSE ABRASION OF THE CORNEA.

INHALATION: MAY CAUSE DAMAGE TO THE LUNGS BY INHALATION OF DUST.

INGESTION: UNLIKELY TO BE TOXIC BY INGESTION.

EFFECTS OF ACUTE EXPOSURE: MAY CAUSE DRYING AND REDDENING OF THE SKIN. MAY CAUSE EYE IRRITATION.

EFFECTS OF CHRONIC EXPOSURE: 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.

## SECTION VI TOXICOLOGICAL PROPERTIES CONT'D....

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 (TWAEV):	SILICA, QUARTZ	0.1 mg./m <sup>3</sup>
	CRISTOBALITE	0.05 mg./m <sup>3</sup>
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
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

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