



PLAINSMAN Clays Limited
 Box 1266, MEDICINE HAT
 Alta. T1A 7M9 Phone (403) 527-8535

AUG 28 1996

MATERIAL SAFETY DATA SHEET

SECTION 1 - PRODUCT IDENTIFICATION AND USE

PRODUCT IDENTIFIER Dry Clay	PRODUCT IDENTIFICATION NUMBER (PIN) Alberta Slip		
PRODUCT USE Glaze Ingredient	Supplier's Name Archie Bray Foundation		
	Address 2915 Country Club Avenue		
	City Helena	Province Montana, U.S.A.	
	Postal Code 59601	Phone (406) 442-2521	

SECTION 2 - HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENTS	%	CAS NUMBER	LD ₅₀ OF INGREDIENT	LC ₅₀ OF INGREDIENT
*FREE SILICA (QUARTZ)(Respirable)	15-20	14808-60-7	NOT AVAILABLE	NOT AVAILABLE
SEE ATTACHED: None.			NOTES: * FREE SILICA IS NOT HAZARD IN MOIST FORM, ONLY A HAZARD IF CLAY IS DRY AND DUST IS GENERATED.	

SECTION 3 - PHYSICAL DATA

PHYSICAL STATE SOLID	PHYSICAL PROPERTIES NOT APPLICABLE:
ODOUR AND APPEARANCE Dark Grey Powder.	Odour Threshold, Vapour Pressure & Density, Evaporation Rate, Boiling Point, Freezing Point, pH, Specific Gravity, Coeff. Water/Oil Dist.

SECTION 4 - FIRE AND EXPLOSION DATA

FLAMMABILITY YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> CONSIDER DUST AS NON-FLAMMABLE AND NON-EXPLOSIVE	
NON-APPLICABLE DATA: Means of Extinction, Flashpoint and Method, Autoignition Temperature, Upper Flammable Limit, Lower Flammable Limit, Hazardous Combustion Products, Sensitivity to Impact, Sensitivity to Static Discharge	PRODUCTS OF DECOMPOSITION DURING KILN BURNING CARBON MONOXIDE, CARBON DIOXIDE AND POSSIBLE TRACES OF SULFUR DIOXIDE. VENT KILN DURING BURNING.

SECTION 5 - REACTIVITY DATA

CHEMICAL STABILITY YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	CONDITIONS OF INSTABILITY None.
INCOMPATIBILITY WITH OTHER SUBSTANCES YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	INCOMPATIBLE SUBSTANCES None.
REACTIVITY, AND UNDER WHAT CONDITIONS Inert and Non-Reactive.	
HAZARDOUS DECOMPOSITION PRODUCTS WILL NOT OCCUR	

PRODUCT IDENTIFIER Dry Clay - Alberta Slip

SECTION 6 - TOXICOLOGICAL PROPERTIES

ROUTE OF ENTRY SKIN CONTACT SKIN ABSORPTION EYE CONTACT INHALATION INGESTION

EFFECTS OF ACUTE EXPOSURE TO PRODUCT A NOISANCE DUST. SEE CHRONIC EFFECTS

EFFECTS OF CHRONIC EXPOSURE TO PRODUCT

LONG TERM EXPOSURE TO RESPIRABLE FREE SILICA IN CONCENTRATIONS HIGHER THAN RECOMMENDED TLV MAY CAUSE LUNG INJURY.

EXPOSURE LIMITS TLV=.1 MG/M³ RESPIRABLE DUST

IRRITANCY OF PRODUCT
MECHANICAL IRRITANT ONLY

NON APPLICABLE PROPERTIES:

Sensitization,
Carcinogenicity,
Teratogenicity,
Reproductive Toxicity,
Mutagenicity

SYNERGISTIC PRODUCTS
TOBACCO SMOKE MAY INCREASE LUNG DAMAGE

SECTION 7 - PREVENTIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT

GLOVES (Specify)	NOT REQ'D	RESPIRATOR (Specify)	APPROVED RESPIRATOR WHERE TLV IS EXCEEDED	EYE (Specify)	SAFETY GLASSES FOR COMFORT ONLY
FOOTWEAR (Specify)	NOT REQ'D	CLOTHING (Specify)	NOT REQ'D	OTHER (Specify)	NONE

ENGINEERING CONTROLS (Specify) LOCAL EXHAUST OR OTHER VENTILATION THAT WILL REDUCE DUST CONCENTRATION TO LESS THAN PERMISSIBLE EXPOSURE LIMITS IS RECOMMENDED

LEAK AND SPILL PROCEDURE IF CLAY IS MOIST, NO SPECIAL PRECAUTIONS REQUIRED. IF DRY, CLEAN UP AND COLLECT, MINIMIZING EXCESSIVE DUST GENERATION.

WASTE DISPOSAL BY APPROVED METHOD

HANDLING PROCEDURES AND EQUIPMENT IF CLAY IS DRY, CONTROLS SHOULD BE USED TO MAINTAIN "FREE" SILICA DUST EXPOSURE LEVELS BELOW TLV.

STORAGE REQUIREMENTS NO SPECIAL REQUIREMENTS

SPECIAL SHIPPING INFORMATION NOT REQUIRED

SECTION 8 - FIRST AID MEASURES

SPECIFIC MEASURES

SKIN - WASH WITH WATER
EYES - FLUSH WITH RUNNING WATER UNTIL MATERIAL IS REMOVED

SECTION 9 - PREPARATION DATA OF MSDS

PREPARED BY:	PHONE NUMBER	DATE
Plainsman Clays Limited	(403) 527-8535	May 1, 1989

FURTHER PHYSICAL PROPERTIES AND DESCRIPTIVE LITERATURE AVAILABLE ON REQUEST.