

**MATERIAL SAFETY DATA SHEET**

Printed: 9/18/07

ULTROX® ALL GRADES**PRODUCT IDENTIFICATION AND USE**

MANUFACTURER: ARKEMA CANADA INC.
700 THIRD LINE
OAKVILLE, ONTARIO
L6J 5A3

EMERGENCY PHONE NUMBER: (905) 827-9841 (ARKEMA)
(613) 996-6666 (CANUTEC)

PRODUCT IDENTIFIER: ULTROX® - 500-W, 1000-W, EXTRA, STANDARD.
PRODUCT CODE: AP9462
PRODUCT USE: CERAMICS
WHMIS CLASSIFICATION: D2A – VERY TOXIC MATERIAL CAUSING OTHER TOXIC EFFECTS.

HAZARDOUS INGREDIENTS

	% W/W	CAS #	TLV
QUARTZ	1-5	14808-60-7	ACGIH TWA = 0.05
LD50: NE			MG/M3 (RESPIRABLE FRACTION)

ADDITIONAL INGREDIENT INFORMATION (WHMIS NOT CONTROLLED):
ZIRCONIUM SILICATE, ALUMINUM SILICATE

PHYSICAL DATA

PHYSICAL STATE: POWDER
ODOUR AND APPEARANCE: WHITE GRANULES OR POWDER WITH NO CHARACTERISTIC ODOUR.
ODOUR THRESHOLD: NE
SPECIFIC GRAVITY/DENSITY (G/ML): 4.68
VAPOUR PRESSURE: NA
VAPOUR DENSITY (AIR=1): NA
VOLATILITY/VOL(%): NE
SOLUBILITY IN H2O: INSOLUBLE
EVAPORATION RATE: NA
BOILING POINT: NA
FREEZING POINT: NE
PH: NA
LOG KOW: NE

SHIPPING INFORMATION

THIS PRODUCT IS NOT TDG REGULATED.

FIRE AND EXPLOSION HAZARD

FLAMMABILITY: NOT FLAMMABLE.
CONDITIONS: NA
MEANS OF EXTINCTION: PRODUCT DOES NOT BURN. USE EXTINGUISHING MEDIA APPROPRIATE TO SURROUNDING FIRE CONDITIONS.
FLASHPOINT: NONE
UPPER EXPLOSION LIMIT (% V): NA
LOWER EXPLOSION LIMIT (%V): NA
AUTO-IGNITION TEMPERATURE: NONE
HAZARDOUS COMBUSTION PRODUCTS: NA
EXPLOSION DATA: NE
SENSITIVITY TO IMPACT: NO

NA - NOT APPLICABLE

NE - NOT ESTABLISHED

**MATERIAL SAFETY DATA SHEET**

Printed: 9/18/07

ULTROX® ALL GRADES

SENSITIVITY TO STATIC DISCHARGE: NO

REACTIVITY

CHEMICAL STABILITY:	STABLE
INCOMPATIBLE MATERIALS:	NE
CONDITIONS OF REACTIVITY:	NE
HAZARDOUS DECOMPOSITION PRODUCTS:	NE

HEALTH HAZARD INFORMATION

ROUTE OF ENTRY

SKIN CONTACT:	MAY CAUSE SLIGHT IRRITATION.
SKIN ABSORPTION:	NE
EYE:	MAY CAUSE SLIGHT IRRITATION.
INGESTION:	NE
INHALATION:	MAY IRRITATE THE UPPER RESPIRATORY TRACT.
ACUTE OVER EXPOSURE EFFECTS:	NE
CHRONIC OVER EXPOSURE EFFECTS:	NE
SENSITIZATION:	DOES NOT MEET WHMIS CRITERIA.
CARCINOGENICITY:	CRYSTALLINE SILICA IS CLASSIFIED AS AN IARC 2A CARCINOGEN.
TERATOGENICITY:	DOES NOT MEET WHMIS CRITERIA.
MUTAGENICITY:	DOES NOT MEET WHMIS CRITERIA.
REPRODUCTIVE TOXICITY:	DOES NOT MEET WHMIS CRITERIA.

PREVENTIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT:	WEAR SAFETY GLASSES AND USE IMPERVIOUS GLOVES. AN APPROVED DUST RESPIRATOR IS ADVISED.
SPECIFIC ENGINEERING CONTROLS:	LOCAL EXHAUST IS RECOMMENDED.
LEAK AND SPILL PROCEDURES:	SWEEP OR SCOOP UP AND PLACE IN A CLOSED CONTAINER.
WASTE DISPOSAL:	CONSULT FEDERAL OR LOCAL AUTHORITIES FOR APPROVED DISPOSAL METHODS.
HANDLING PROCEDURES AND EQUIPMENT:	WASH BEFORE EATING, DRINKING, USING TOBACCO PRODUCTS OR REST ROOMS.
STORAGE REQUIREMENTS:	KEEP IN A CLOSED, LABELED CONTAINER IN A VENTILATED AREA.

FIRST AID MEASURES

EYE	FLUSH EYES WITH LARGE AMOUNT OF WATER FOR 15 MINUTES WHILE HOLDING EYELIDS OPEN. SEEK MEDICAL ATTENTION IF IRRITATION OCCURS OR PERSISTS.
SKIN	WASH SKIN WITH WATER AND SOAP. SEEK MEDICAL ATTENTION IF IRRITATION OCCURS OR PERSISTS.
INGESTION	DO NOT GIVE LIQUIDS IF PERSON IS UNCONSCIOUS OR VERY DROWSY. INDUCE VOMITING AS DIRECTED BY MEDICAL PERSONEL. SEEK IMMEDIATE MEDICAL ATTENTION.
INHALATION	REMOVE PERSON TO FRESH AIR IMMEDIATELY. IF BREATHING HAS STOPPED, APPLY ARTIFICIAL RESPIRATION AND ADMINISTER OXYGEN IF NECESSARY. SEEK MEDICAL ATTENTION.

**MATERIAL SAFETY DATA SHEET**

Printed: 9/18/07

ULTROX® ALL GRADES

PREPARATION DATE	
------------------	--

PREPARED BY:	TECHNICAL DEPARTMENT.
PHONE NUMBER OF PREPARER:	905-827-9841
DATE PREPARED (MM/DD/YY):	03/03/92
DATE REVISED (MM/DD/YY):	09/18/07

MINIMUM CONTACT WITH THIS AND ALL CHEMICALS IS RECOMMENDED AS A GOOD GENERAL POLICY TO FOLLOW.

THE INFORMATION PRESENTED HEREIN HAS BEEN COMPILED FROM SOURCES CONSIDERED TO BE DEPENDABLE AND IS ACCURATE TO THE BEST OF OUR KNOWLEDGE. HOWEVER, SINCE DATA, SAFETY STANDARDS, AND GOVERNMENT REGULATIONS ARE SUBJECT TO CHANGE AND THE CONDITIONS OF HANDLING AND USE, OR MISUSE ARE BEYOND OUR CONTROL, ARKEMA CANADA MAKES NO WARRANTY EXPRESSED OR IMPLIED, WITH RESPECT TO COMPLETENESS OR CONTINUING ACCURACY OF THE INFORMATION CONTAINED HEREIN AND DISCLAIMS ALL LIABILITY FOR RELIANCE THEREON. USER SHOULD SATISFY HIMSELF THAT HE HAS ALL CURRENT DATA RELEVANT TO HIS PARTICULAR USE.