

MATERIAL SECURITY DATA SHEET

EXPEDITION DATE 04/01/19	REVISION DATE 04-ago-19	COMPANY NAME ZEOLITECH S. DE R.L. DE C.V.
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SECTION I.- GENERAL DATA OF THE RESPONSIBLE FOR THE CHEMICAL SUBSTANCE			
1.- NAME OF THE MANUFACTURER OR IMPORTER: ZEOLITECH S. DE R.L. DE C.V.		2.- IN CASE OF EMERGENCY NOTIFY: OFFICE: CUERNAVACA, MORELOS, MEXICO + 52 777.243.7595 or 777.243.9779 PLANT: TEHUACÁN, PUEBLA, MEXICO + 52 238.100.9176	
3.- COMPLETE ADDRESS:			
STREET PRIVADA DE LILAS	No. 7	SUBURB BELLAVISTA	POSTAL CODE 62140
LOCALITY CUERNAVACA	STATE MORELOS	COUNTRY MEXICO	

SECTION II.- GENERAL DATA OF THE CHEMICAL SUBSTANCE	
1.- COMMERCIAL NAME ZEOFERT	2.- CHEMICAL NAME VARIOUS ALUMINO-SILICATES PHYSICAL MIXTURE
3.- CLASS AND SUBCLASS MIX OF ANKERITE, CALCITE, QUARTZ, APATITE, PLAGIOCLASE, CLINOPTILOLITE, MUSCOVITE, MONTMORILLONITE AND STILBITE	4.- CHEMICAL FAMILY VARIOUS ALUMINO-SILICATES PHYSICAL MIXTURE
5.- MOLECULAR WEIGHT NOT RELEVANT	6.- FORMULA (K, Mg, Ca) ₃ (SiAl) ₃ Fe _{0,5} (PO ₄) ₅ (OH)

SECTION III.- DANGEROUS COMPONENTS			
1.- COMPONENTS PERCENTAGE AND NAME 38% SILICON OXIDE (Si=6%, Ca=16%, Fe=0.3%, P=9%, Na ₂ O=0.43%, Mg=8%, K=3%, S=8%, Mn=0.1%)	2.- CAS N° N/A	3.- UN N° N/A	4.- CARCINOGENIC OR TERATOGENIC NOT FOUND
5.- CONCENTRATION PERMISSIBLE LIMIT N/A	6.- IPVS ppm N/A	7.- DANGEROUS DEGREE:	
		7.1.- HEALTH 1	7.2.- FLAMMABILITY 0

SECTION IV.- PHYSICAL PROPERTIES	
1.- MELTING POINT, °C: 1400 °C	2.- BOILING POINT, °C: N/A
3.- VAPOR PRESSURE, mmHg at 20°C: N/A	4.- RELATIVE DENSITY g/cm³: N/A
5.- VAPOR DENSITY (AIR=1): N/A	6.- WATER SOLUBILITY, g/ml: < 0.1
7.- WATER REACTIVITY: NONE	8.- PHYSICAL STATE, COLOR AND ODOR: ODORLESS LIGHT BROWN COLORED TALC
9.- EVAPORATION RATE (BUTYL ACETATE=1): N/A	10.- FLAMMABLE POINT: N/A
11.- AUTOIGNITION TEMPERATURE (°C): N/A	12.- VOLATILITY PERCENTAGE, %: N/A
13.- FLAMMABILITY LIMITS (%): LOWER: N/A UPPER: N/A	

SECTION V.- FIRE AND EXPLOSION DATA				
1.- MEANS OF EXTINGUISHMENT: Use the most appropriate extinguisher				
WATER MIST N/A	FOAM N/A	HALON: N/A	CO₂ N/A	DRY CHEMICAL POWDER N/A
2.- PROTECTION EQUIPMENT FOR FIRE CONTROL: N/A				
3.- SPECIAL PROCEDURE FOR FIRE CONTROL: N/A				
4.- CONDITIONS LEADING TO A NON USUAL FIRE OR EXPLOSION DANGER: NON FLAMMABLE				
5.- HAZARDOUS COMBUSTION PRODUCTS: N/A				

SECTION VI.- REACTIVITY DATA		
1- SUBSTANCE:		2- CONDITIONS TO AVOID:
STABLE	X	UNSTABLE
3- INCOMPATIBLY WITH OTHER SUBSTANCES:		NONE
N/A		
4- HAZARDOUS DECOMPOSITION PRODUCTS:		
N/A		
5- DANGEROUS POLYMERIZATION:		6.- OTHER:
CAN OCCUR	CANNOT OCCUR	N/A
	X	

SECTION VII.- TOXICOLOGICAL PROPERTIES		
ROUTE OF ENTRY	SYMPTOMS OF EXPOSURE TO PRODUCT	FIRST AID
1.- ACCIDENTAL INGESTION	CAN CAUSE IRRITATION OF THE MUCUS AND NAUSEA.	INDUCE VOMITING. GET MEDICAL ATTENTION.
2.- EYE CONTACT	CAN CAUSE IRRITATION	RINSE GENEROUSLY FOR AT LEAST 15 MINUTES. IF THE IRRITATION PERSISTS, CONSULT YOUR DOCTOR.
3.- SKIN CONTACT	CAN CAUSE DRYNESS AND ITCHING	WASH SKIN WITH WATER AND SOAP. IF THE IRRITATION PERSISTS, CONSULT YOUR DOCTOR.
4.- SKIN ABSORPTION	N/A	N/A
5.- INHALATION	CAN CAUSE IRRITATION OF THE RESPIRATORY SYSTEM	MOVE TO A VENTILATED AREA. IF BREATHING DIFFICULTY PRESENTED, USE OXIGEN MASKS AND SEEK MEDICAL ATTENTION.
6.- CARCINOGENIC CHEMICAL SUBSTANCE:		
STPS (INST. No.10) YES <input type="checkbox"/> OTHER: YES <input type="checkbox"/> NO <input type="checkbox"/> SPECIFY: <input checked="" type="checkbox"/>		
TOXICOLOGICAL INFORMATION: CL ₅₀ : N/A DL ₅₀ : N/A		

SECTION VIII.- LEAKAGE OR SPILL INDICATIONS
USE THE PROPER TOOLS NECESSARY TO PLACE THE PRODUCT IN AN APPROPRIATE CONTAINER. WASH WITH WATER THE STORAGE AREA AND DISPOSE THE WASTE ACCORDING TO LOCAL NORMATIVITY.

SECTION IX.- PERSONAL PROTECTION EQUIPMENT
1- SPECIFY TYPE: EYE GOGGLES, BREATHING MASK, APPROPRIATE FOOTWEAR AND CLOTHING.
2- HYGIENE PRACTICES: WASH YOUR HANDS AND FACE AFTER HANDLING THE PRODUCT AND BEFORE INGESTING FOOD OR BEAVERAGES.

SECTION X.- SPECIAL SHIPPING INFORMATION		
Material classified as:	NOT HAZARDOUS	Pictogram:
Secondary danger:	N/A	
UN:	N/A	
Container / packaging:	50 KG POLYPROPYLENE SACKS.	N/A
NFPA:	N/A	

SECTION XI.- ECOLOGICAL INFORMATION	
Ecotoxicity:	N/A

SECTION XII.- SPECIAL PRECAUTIONS
1.- HANDLING PROCEDURES AND EQUIPMENT: WEIGHTLIFTING BELT, EYE GOGGLES, BREATHING MASK, APPROPRIATE FOOTWEAR AND CLOTHING.
2.- SPECIAL SHIPPING INFORMATION: KEEP IN A DRY PLACE, PREFERABLY ON WOODEN FLOORING OR PLATFORM.