

# MATERIAL SECURITY DATA SHEET

<b>EXPEDITION DATE</b> January 4th, 2021	<b>REVISION DATE</b> January 9th, 2021	<b>COMPANY NAME</b> ZEOLITECH S. DE R.L. DE C.V.
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SECTION I.- GENERAL DATA OF THE RESPONSIBLE FOR THE CHEMICAL SUBSTANCE			
<b>1.- NAME OF THE MANUFACTURER OR IMPORTER:</b>  ZEOLITECH S. DE R.L. DE C.V.		<b>2.- IN CASE OF EMERGENCY NOTIFY:</b> <b>OFFICE:</b> CUERNAVACA, MORELOS, MEXICO + 52 777.243.7595 or 777.243.9779 <b>PLANT:</b> TEHUACÁN, PUEBLA, MEXICO + 52 238.100.9176	
<b>3.- COMPLETE ADDRESS:</b>			
<b>STREET</b> PRIVADA DE LILAS	<b>No.</b> 7	<b>SUBURB</b> BELLAVISTA	<b>POSTAL CODE</b> 62140
<b>LOCALITY</b> CUERNAVACA	<b>STATE</b> MORELOS	<b>COUNTRY</b> MÉXICO	

SECTION II.- GENERAL DATA OF THE CHEMICAL SUBSTANCE	
<b>1.- COMMERCIAL NAME</b> ZEOLITA CLINOPTILOLITA	<b>2.- CHEMICAL NAME</b> ALUMINUM-SILICATE
<b>3.- CLASS AND SUBCLASS</b> SILICATES - TECTOSILICATES	<b>4.- CHEMICAL FAMILY</b> CLINOPTILOLITE
<b>5.- MOLECULAR WEIGHT</b>  162.05 g/mol	<b>6.- FORMULA</b>  (Ca,K,Na) <sub>4</sub> Mg(Al <sub>6</sub> Si <sub>30</sub> O <sub>72</sub> ) · 2H <sub>2</sub> O

SECTION III.- DANGEROUS COMPONENTS				
<b>1.- COMPONENTS PERCENTAGE AND NAME</b> 59% CLINOPTILOLITE (SiO <sub>2</sub> =67.5%, Al <sub>2</sub> O <sub>3</sub> =15.26%, CaO=5.70%, Fe <sub>2</sub> O <sub>3</sub> =1.5%, MgO=0.8%, K <sub>2</sub> O=2.5%, Na <sub>2</sub> O=1.2%.)	<b>2.- CAS N°</b>  1318-02-1	<b>3.- UN N°</b>  N/A	<b>4.- CARCINOGENIC OR TERATOGENIC</b>  NOT FOUND	
<b>5.- CONCENTRATION PERMISSIBLE LIMIT</b>  N/A	<b>6.- IPVS ppm</b>  N/A	<b>7.- DANGEROUS DEGREE:</b>		
		<b>7.1.- HEALTH</b>  1	<b>7.2.- FLAMMABILITY</b>  0	<b>7.3.- REACTIVITY</b>  0

SECTION IV.- PHYSICAL PROPERTIES	
<b>1.- MELTING POINT, °C:</b> 1600 °C	<b>2.- BOILING POINT, °C:</b> N/A
<b>3.- VAPOR PRESSURE, mmHg at 20°C:</b> N/A	<b>4.- RELATIVE DENSITY g/cm<sup>3</sup>:</b> 2.120 g/cm <sup>3</sup>
<b>5.- VAPOR DENSITY (AIR=1):</b> N/A	<b>6.- WATER SOLUBILITY, g/ml:</b> < 0,1
<b>7.- WATER REACTIVITY:</b> NONE	<b>8.- PHYSICAL STATE, COLOR AND ODOR:</b> ODORLESS BEIGE TO LIGHT GREEN COLORED TALC
<b>9.- EVAPORATION RATE (BUTYL ACETATE=1):</b> N/A	<b>10.- FLAMMABLE POINT:</b> N/A
<b>11.- AUTOIGNITION TEMPERATURE (°C):</b> N/A	<b>12.- VOLATILITY PERCENTAGE, % :</b> N/A
<b>13.- FLAMMABILITY LIMITS (%):</b> <b>LOWER:</b> N/A <b>UPPER:</b> N/A	


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

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

SECTION VII.- TOXICOLOGICAL PROPERTIES		
ROUTE OF ENTRY	SYMPTOMS OF EXPOSURE TO PRODUCT	FIRST AID
1.- ACCIDENTAL INGESTION	N/A	N/A
2.- EYE CONTACT	CAN CAUSE TEAR UP, IRRITATION AND EVEN TEMPORAL PAIN	RINSE GENEROUSLY FOR AT LEAST 15 MINUTES, KEEPING EYELIDS OPEN FOR SEVERAL MINUTES. IF THE IRRITATION PERSISTS, CONSULT YOUR DOCTOR.
3.- SKIN CONTACT	CAN CAUSE DRYNESS AND ITCHING. CAN AGGRAVATE PREVIOUS SKIN CONDITIONS.	WASH AFFECTED AREA WITH WATER AND SOAP. IF THE IRRITATION PERSISTS, CONSULT YOUR DOCTOR.
4.- SKIN ABSORPTION	N/A	N/A
5.- INHALATION	CAN CAUSE TEMPORAL IRRITATION ON MUCUS, THROAT AND RESPIRATORY TRACT IN GENERAL. OVER LONG EXPOSURE PERIODS CAN CAUSE SILICOSIS AND COUGH. CAN AGGRAVATE CHRONICAL LUNG CONDITIONS	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"/> NO <input checked="" type="checkbox"/>		
OTHER: YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
TOXICOLOGICAL INFORMATION: CL <sub>50</sub> : N/A DL <sub>50</sub> : 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:	25 OR 50 KG POLYPROPYLENE SACKS.	
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.