## ZINC NACIONAL, S.A. **MATERIAL SAFETY DATA SHEET**

SECTION 1	ı	PRODUCT IDENTIFICAT	TION				
1) PRODUCT NAME:	MAXIMO 3	60 / MAXIMO 361 / MAXIMO 363	- TINC SI H EATE	<u> </u>			
2) EMERGENCY PHONE NO. :	MAXIMO 360 / MAXIMO 361 / MAXIMO 36 011 (52)(818) 343-85-60 & (618) 342-97-1						
At A11751-1-1-1-1-1-1		ZINC SULFATE		HEALTH: FLAMMABILITY: REACTIVE		TV·	
4) CHEMICAL FAMILY: ZINC C		POUNDS		0	1 1	···	
5) CHEMICAL FORMULA:	ZnSO <sub>4</sub> - H <sub>2</sub>	0	DEGREE	OF HAZARD:	0 = MINIMUN	— M HAŽARD	
6) MANUFACTURER'S NAME: 7) MANUFACTURER'S ADRESS:	ZINC NACIONAL, S.A. SERAFIN PEÑA #938 SUR MONTERREY, N.L.				1 = SLIGHT   2 = MODER/ 3 = SERIOU: 4 = SEVERE	ATE HAZARI S HAZARD	
	MEXICO, 6	MEXICO, 64000		9) DATE PREPARED		JANUARY, 2002	
SECTION 2	-	HEMICAL COMPOSIT	ION	<del></del>			
INGREDIENT CHEMICAL NAM	Æ	CAS NO.	PERCENT			<del></del>	
ZINC SULFATE ZINC SULFATI		7445-19-7	PERCENT 99.00				
LEAD		7439-92-1	99.00				
CADMIUM		7440-43-9	0.01				
LEAD AND CADMIUM ARE INHERENT IN THE MALE SECTION 3		REDIENTS AND IDENT			· E		
MATERIAL FORM		EXPOSURE CRITERIAS					
		OSHA				_	
		PEL	REL	CEL	ACGIH TLV		
ZINC SULFATE TOTAL DUST		mg/m³ 15	mg/m³	mg/m³	mg/m3	7	
RESPIRABLE FRACTION		5	10		10		
SECTION 4		PHYSICAL DATA			<u> </u>		
PHYSICAL STATE:   SOLID			8) VAPOR PRESSURE (mm/Hg): 9) VAPOR DENSITY (AIR=1): 10) EVAPORATION RATE: 11) PERCENT VOLATILES:			44.4 °C N/A N/A N/A	
SECTION 5	FIRE A	ND EXPLOSION HAZAR	D DATA				
FLASH POINT: EXTINGUISHING MEDIA: SPECIAL FIRE FIGHTING PROCEDURES: UNUSUAL FIRE AND EXPLOSION	POISONOUS BREATHING	STIBLE ER, DRY CHEMICAL OR CARBO GASES ARE PRODUCED IN FI APPARATUS OPERATED IN PR	RE WEAR EILL	PROTECTIVE CLOTH ID MODE.	HING, SELF-C	ONTAINED	
HAZARDS:	N/A	PRODUCT NAME:	<u>MAXIMO 360 / MA</u>	<u>XIMO 361 / MAXIMO</u>	<u> 362 - ZINC</u> S	ULFATE	
SECTION 6	·	REACTIVITY DATA					
) THERMAL STABILITY: 2) CONDITIONS TO AVOID:		STABLE	_ <del>_</del> -				

N/A

N/A

N/A

NONE IDENTIFIED WILL NOT OCCUR

3) HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: 4) HAZARDOUS POLYMERIZATION:

5) INCOMPATIBILITY (MATERIALS TO AVOID):

6) CORROSIVE ACTION ON MATERIALS:

## **HEALTH HAZARD DATA** SECTION 7

1) EYE AND SKIN CONTACT:

DUST OR FUMES MAY CAUSE MODERATE EYE IRRITATION, NO SKIN IRRITATION CAN BE EXPECTED FROM SINGLE SHORT-TERM EXPOSURE TO THIS PRODUCT. PROLONGEDAND/OR REPEATED SKIN CONTACT WITH THIS PRODUCT MAY CAUSE IRRITATION / DERMATITIS.

2) INHALATION;

3) INGESTION:

DUSTS AND MISTS MAY BE MILDLY IRRITATING. LARGE DOSES OF THIS PRODUCT CAN CAUSE IRRITATION TO THE THROAT AND STOMACH, VOMITING,

ABDOMINAL PAIN, DIARRHEA, CONVULSIONS, BLOOD PRESSURE CHANGE, COMA AND EVEN DEATH.

4) EMERGENCY AND FIRST AID PROCEDURES:

FOR INHALATION IF SYMPTOMS ARE EXPERIENCED. REMOVE SOURCE OF CONTAMINATION OR MOVE VICTIM TO FRESH AIR, IF SYMPTOMS PERSIST, OBTAIN MEDICAL ADVICE INMEDIATELY SKIN CONTACT: IF IRRITATION SHOULD OCCUR, WASH GENTLY AND THOROUGHLY WITH WATER AND NON-ABRASIVE SOAP, IF IRRITATION PERSISTS, SEEK MEDICAL ATTENTION, INGESTION; HAVE VICTIM RINSE MOUTH THOROUGHLY WITH WATER. "DO NOT INDUCE VOMITING". INMEDIATELEY GIVE LARGE AMOUNTS OF WATER, IF VOMITING OCCURS, RINSE MOUTH AND REPEAT ADMINISTRATION OF WATER, OBTAIN MEDICAL ADVICE. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS OR CONVULSING PERSON. EYES: IN CASE OF EYE CONTACT, FLUSH WITH PLENTY OF WATER FOR 16 MINUTES, IF IRRITATION SHOULD PERSIST. SEEK MEDICAL ATTENTION.

## PRECAUTIONS FOR SAFE HANDLING AND USE

SECTION 8

VENTILATE AREA, CLEAN UP-PERSONNEL REQUIRE RESPIRATORY PROTECTION, COLLECT POWDER

MATERIALS AND DEPOSIT IN SEALED DRUMS, STOP OR REDUCE LEAK IF SAFE TO DO SO, PREVENT MATERIALS FROM ENTERING SEWERS OR WATERWAYS.

2) WASTE DISPOSAL METHOD:

1) MATERIAL RELEASE OR SPILL:

DISPOSE MATERIAL IN SUITABLE CLOSED LABELLED CONTAINERS.

BE REGULATED UNDER CERCLA, TSCA, SARA AND/OR RCRA REGULATIONS.

3) HANDLING AND STORING:

STORE IN DRY AREAS, PREVENT RELEASE OF FUMES, WASH HANDS THOROUGHLY AFTER HANDLING. PACKAGINGS LESS THAN 1,000 POUNDS (454 KGS) ARE NOT REGULATED BY U.S. DOT.

4) SHIPPING INFORMATION:

CONTROL MEASURES AND PERSONAL PROTECTIVE EQUIPMENT

GENERAL EXHAUST.

1) VENTILATION:

SECTION 9

2) RESPIRATORY PROTECTION: 3) PROTECTIVE GLOVES:

USE NIOSH APPROVED PARTICULATE RESPIRATOR IF DUST GENERATION OCCURS. NATURAL RUBBER GLOVES.

4) EYE PROTECTION: 5) WORKING UNIFORM:

SAFETY GOGGLES ARE RECOMENDED. NORMAL.

ALWAYS WASH HANDS THROUGHLY AFTER USING CHEMICAL; NEVER BRING FOOD, DRINK OR SMOKING MATERIALS INTO VICINITY OF CHEMICALS,

REGULATORY INFORMATION

SECTION 10

THIS PRODUCT IS CONSIDERED HAZARDOUS MATERIAL (UN 3077) WHEN PACKAGED IN INDIVIDUAL CONTAINERS EXCEEDING 1,000 LBS (453 KGS.) IN WEIGHT, PACKING GROUP III. LABEL CLASS 9.

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