

# ***Chem-Impex International Inc.***

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## **S A F E T Y   D A T A   S H E E T**

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### **SECTION 1.    CHEMICAL IDENTIFICATION**

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CATALOG #:	47626
NAME:	Zinc sulfate heptahydrate
SYNONYMS:	Zinc sulfate·7H <sub>2</sub> O
24 HOUR EMERGENCY TELEPHONE:	(800) 535-5053(USA)  352-323-3500 (INTERNATIONAL)
TO REQUEST AN MSDS:	(800) 869-9290
CUSTOMER SERVICE:	(630) 766-2112

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### **SECTION 2.    HAZARDS IDENTIFICATION**

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#### **CLASSIFICATION OF THE SUBSTANCE OR MIXTURE**

#### **GHS CLASSIFICATION IN ACCORDANCE WITH 29 CFR 1910 (OSHA HCS)**

ACUTE TOXICITY, ORAL (CATEGORY 4), H302

SERIOUS EYE DAMAGE (CATEGORY 1), H318

SHORT-TERM (ACUTE) AQUATIC HAZARD (CATEGORY 1), H400

LONG-TERM (CHRONIC) AQUATIC HAZARD (CATEGORY 1), H410

FOR THE FULL TEXT OF THE H-STATEMENTS MENTIONED IN THIS SECTION, SEE SECTION 16.

#### **GHS LABEL ELEMENTS, INCLUDING PRECAUTIONARY STATEMENTS**

PICTOGRAM



SIGNAL WORD

DANGER

HAZARD STATEMENT(S)

H302 HARMFUL IF SWALLOWED.  
H318 CAUSES SERIOUS EYE DAMAGE.  
H410 VERY TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS.

PRECAUTIONARY STATEMENT(S)

P264 WASH SKIN THOROUGHLY AFTER HANDLING.  
P270 DO NOT EAT, DRINK OR SMOKE WHEN USING THIS PRODUCT.  
P273 AVOID RELEASE TO THE ENVIRONMENT.  
P280 WEAR PROTECTIVE GLOVES/ PROTECTIVE CLOTHING/ EYE PROTECTION/ FACE PROTECTION.  
P301 + P312 + P330 IF SWALLOWED: CALL A POISON CENTER OR DOCTOR/ PHYSICIAN IF YOU FEEL UNWELL. RINSE MOUTH.  
P305 + P351 + P338 + P310 IF IN EYES: RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES, IF PRESENT AND EASY TO DO. CONTINUE RINSING. IMMEDIATELY CALL A POISON CENTER OR DOCTOR/ PHYSICIAN.  
P391 COLLECT SPILLAGE.  
P501 DISPOSE OF CONTENTS/ CONTAINER TO AN APPROVED WASTE DISPOSAL PLANT.

**HAZARDS NOT OTHERWISE CLASSIFIED (HNOC) OR NOT COVERED BY GHS**

NONE

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**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

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MF: ZnSO4\cdot 7H2O  
MW: 287.5  
CAS-NO. 7446-20-0  
PURITY: 99.0 - 108.7% (Assay)

**HAZARDOUS COMPONENTS**

COMPONENT	CLASSIFICATION	CONCENTRATION
<b>ZINC SULFATE HEPTAHYDRATE</b>		
	ACUTE TOX. 4; EYE DAM. 1; AQUATIC ACUTE 1;	<= 100%

	AQUATIC CHRONIC 1; H302, H318, H400, H410 M-FACTOR - AQUATIC ACUTE: 1 M-FACTOR - AQUATIC CHRONIC: 1	
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FOR THE FULL TEXT OF THE H-STATEMENTS MENTIONED IN THIS SECTION, SEE SECTION 16.

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## SECTION 4. FIRST-AID MEASURES

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### DESCRIPTION OF FIRST AID MEASURES

<b>GENERAL ADVICE</b>	SHOW THIS MATERIAL SAFETY DATA SHEET TO THE DOCTOR IN ATTENDANCE.
<b>IF INHALED</b>	AFTER INHALATION: FRESH AIR.
<b>IN CASE OF SKIN CONTACT</b>	IN CASE OF SKIN CONTACT: TAKE OFF IMMEDIATELY ALL CONTAMINATED CLOTHING. RINSE SKIN WITH WATER/ SHOWER.
<b>IN CASE OF EYE CONTACT</b>	AFTER EYE CONTACT: RINSE OUT WITH PLENTY OF WATER. CALL IN OPHTHALMOLOGIST. REMOVE CONTACT LENSES.
<b>IF SWALLOWED</b>	AFTER SWALLOWING: IMMEDIATELY MAKE VICTIM DRINK WATER (TWO GLASSES AT MOST). CONSULT A PHYSICIAN.
<b>MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED</b>	THE MOST IMPORTANT KNOWN SYMPTOMS AND EFFECTS ARE DESCRIBED IN THE LABELLING (SEE SECTION 2.2) AND/OR IN SECTION 11.
<b>INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED</b>	NO DATA AVAILABLE

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## SECTION 5. FIRE AND EXPLOSION DATA

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### EXTINGUISHING MEDIA

**SUITABLE  
EXTINGUISHING  
MEDIA**

SUITABLE EXTINGUISHING MEDIA  
USE EXTINGUISHING MEASURES THAT ARE  
APPROPRIATE TO LOCAL CIRCUMSTANCES AND THE  
SURROUNDING ENVIRONMENT.

UNSUITABLE EXTINGUISHING MEDIA  
FOR THIS SUBSTANCE/MIXTURE NO LIMITATIONS OF  
EXTINGUISHING AGENTS ARE GIVEN.

**SPECIAL HAZARDS  
ARISING FROM THE  
SUBSTANCE OR  
MIXTURE**

SULFUR OXIDES  
ZINC/ZINC OXIDES  
NOT COMBUSTIBLE.  
FIRE MAY CAUSE EVOLUTION OF:  
SULFUR OXIDES  
AMBIENT FIRE MAY LIBERATE HAZARDOUS VAPOURS.

**ADVICE FOR  
FIREFIGHTERS**

IN THE EVENT OF FIRE, WEAR SELF-CONTAINED  
BREATHING APPARATUS.

**FURTHER  
INFORMATION**

SUPPRESS (KNOCK DOWN) GASES/VAPORS/MISTS WITH  
A WATER SPRAY JET. PREVENT FIRE EXTINGUISHING  
WATER FROM CONTAMINATING SURFACE WATER OR  
THE GROUND WATER SYSTEM.

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**SECTION 6. ACCIDENTAL RELEASE MEASURES**

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**PERSONAL  
PRECAUTIONS,  
PROTECTIVE  
EQUIPMENT AND  
EMERGENCY  
PROCEDURES**

ADVICE FOR NON-EMERGENCY PERSONNEL: AVOID  
INHALATION OF DUSTS. AVOID SUBSTANCE CONTACT.

ENSURE ADEQUATE VENTILATION. EVACUATE THE  
DANGER AREA, OBSERVE EMERGENCY PROCEDURES,  
CONSULT AN EXPERT.

FOR PERSONAL PROTECTION SEE SECTION 8.

**ENVIRONMENTAL  
PRECAUTIONS**

DO NOT LET PRODUCT ENTER DRAINS.

**METHODS AND  
MATERIALS FOR  
CONTAINMENT AND  
CLEANING UP**

COVER DRAINS. COLLECT, BIND, AND PUMP OFF SPILLS.  
OBSERVE POSSIBLE MATERIAL RESTRICTIONS (SEE  
SECTIONS 7 AND 10). TAKE UP DRY. DISPOSE OF  
PROPERLY. CLEAN UP AFFECTED AREA. AVOID  
GENERATION OF DUSTS.

**REFERENCE TO OTHER  
SECTIONS**

FOR DISPOSAL SEE SECTION 13.

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**SECTION 7. HANDLING AND STORAGE**

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<b>PRECAUTIONS FOR SAFE HANDLING</b>	FOR PRECAUTIONS SEE SECTION 2.2.
<b>CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES</b>	NO METAL CONTAINERS. TIGHTLY CLOSED. DRY.  STORAGE CLASS (TRGS 510): 13: NON COMBUSTIBLE SOLIDS  STORE AT RT
<b>SPECIFIC END USE(S)</b>	APART FROM THE USES MENTIONED IN SECTION 1.2 NO OTHER SPECIFIC USES ARE STIPULATED.

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## **SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

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### **CONTROL PARAMETERS**

#### **COMPONENTS WITH WORKPLACE CONTROL PARAMETERS**

CONTAINS NO SUBSTANCES WITH OCCUPATIONAL EXPOSURE LIMIT VALUES.

### **EXPOSURE CONTROLS**

APPROPRIATE ENGINEERING CONTROLS	CHANGE CONTAMINATED CLOTHING. PREVENTIVE SKIN PROTECTION RECOMMENDED. WASH HANDS AFTER WORKING WITH SUBSTANCE.
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### **PERSONAL PROTECTIVE EQUIPMENT**

EYE/FACE PROTECTION	USE EQUIPMENT FOR EYE PROTECTION TESTED AND APPROVED UNDER APPROPRIATE GOVERNMENT STANDARDS SUCH AS NIOSH (US) OR EN 166(EU). TIGHTLY FITTING SAFETY GOGGLES
SKIN PROTECTION	HANDLE WITH GLOVES. GLOVES MUST BE INSPECTED PRIOR TO USE. USE PROPER GLOVE REMOVAL TECHNIQUE (WITHOUT TOUCHING GLOVE'S OUTER SURFACE) TO AVOID SKIN CONTACT WITH THIS PRODUCT. DISPOSE OF CONTAMINATED GLOVES AFTER USE IN ACCORDANCE WITH APPLICABLE LAWS AND GOOD LABORATORY PRACTICES. WASH AND DRY HANDS.
BODY PROTECTION	FLAME RETARDANT ANTISTATIC PROTECTIVE CLOTHING.

RESPIRATORY PROTECTION	<p>RECOMMENDED FILTER TYPE: FILTER TYPE P2</p> <p>THE ENTREPRENEUR HAS TO ENSURE THAT MAINTENANCE, CLEANING AND TESTING OF RESPIRATORY PROTECTIVE DEVICES ARE CARRIED OUT ACCORDING TO THE INSTRUCTIONS OF THE PRODUCER. THESE MEASURES HAVE TO BE PROPERLY DOCUMENTED.</p> <p>REQUIRED WHEN DUSTS ARE GENERATED.</p> <p>OUR RECOMMENDATIONS ON FILTERING RESPIRATORY PROTECTION ARE BASED ON THE FOLLOWING STANDARDS: DIN EN 143, DIN 14387 AND OTHER ACCOMPANYING STANDARDS RELATING TO THE USED RESPIRATORY PROTECTION SYSTEM.</p>
CONTROL OF ENVIRONMENTAL EXPOSURE	DO NOT LET PRODUCT ENTER DRAINS.

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## SECTION 9.      PHYSICAL AND CHEMICAL PROPERTIES

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### INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	COLORLESS EFFLORESCENT CRYSTALS
ODOUR	NO DATA AVAILABLE
ODOUR THRESHOLD	NO DATA AVAILABLE
PH	NO DATA AVAILABLE
MELTING	39 - 41 °C
POINT/FREEZING POINT	
INITIAL BOILING POINT	NO DATA AVAILABLE
AND BOILING RANGE	
FLASH POINT	NO DATA AVAILABLE
EVAPOURATION RATE	NO DATA AVAILABLE
FLAMMABILITY (SOLID, GAS)	THE PRODUCT IS NOT FLAMMABLE.
UPPER/LOWER	NO DATA AVAILABLE
FLAMMABILITY OR	
EXPLOSIVE LIMITS	
VAPOUR PRESSURE	NO DATA AVAILABLE
VAPOUR DENSITY	NO DATA AVAILABLE
RELATIVE DENSITY	1.97 G/CM <sup>3</sup>
WATER SOLUBILITY	NO DATA AVAILABLE
PARTITION	NOT APPLICABLE FOR INORGANIC SUBSTANCES
COEFFICIENT: N- OCTANOL/WATER	
AUTO-IGNITION	NO DATA AVAILABLE
TEMPERATURE	
DECOMPOSITION	NO DATA AVAILABLE
TEMPERATURE	
VISCOSITY	NO DATA AVAILABLE
EXPLOSIVE	NO DATA AVAILABLE
PROPERTIES	
OXIDIZING PROPERTIES	NO DATA AVAILABLE

**OTHER SAFETY INFORMATION**

BULK DENSITY                      CA.800 - 1,000 KG/M3

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**SECTION 10.      STABILITY AND REACTIVITY**

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<b>REACTIVITY</b>	NO DATA AVAILABLE
<b>CHEMICAL STABILITY</b>	THE PRODUCT IS CHEMICALLY STABLE UNDER STANDARD AMBIENT CONDITIONS.
<b>POSSIBILITY OF HAZARDOUS REACTIONS</b>	VIOLENT REACTIONS POSSIBLE WITH: STRONG OXIDIZING AGENTS
<b>CONDITIONS TO AVOID</b>	NO DATA AVAILABLE
<b>INCOMPATIBLE MATERIALS</b>	METALS
<b>HAZARDOUS DECOMPOSITION PRODUCTS</b>	IN THE EVENT OF FIRE: SEE SECTION 5

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**SECTION 11.      TOXICOLOGICAL INFORMATION**

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**INFORMATION ON TOXICOLOGICAL EFFECTS**

<b>ACUTE TOXICITY</b>	LD50 ORAL - MOUSE - MALE - 926 MG/KG (OECD TEST GUIDELINE 401)  INHALATION: NO DATA AVAILABLE  LD50 DERMAL - RAT - MALE AND FEMALE - > 2,000 MG/KG (OECD TEST GUIDELINE 402)  NO DATA AVAILABLE
<b>SKIN CORROSION/IRRITATION</b>	SKIN - RABBIT RESULT: NO SKIN IRRITATION - 4 H (OECD TEST GUIDELINE 404)
<b>SERIOUS EYE DAMAGE/EYE IRRITATION</b>	EYES - RABBIT RESULT: CAUSES SERIOUS EYE DAMAGE. (OECD TEST GUIDELINE 405)

<b>RESPIRATORY OR SKIN SENSITISATION</b>	LOCAL LYMPH NODE ASSAY (LLNA) - MOUSE RESULT: NEGATIVE REMARKS: (ECHA)
<b>GERM CELL MUTAGENICITY</b>	TEST TYPE: AMES TEST TEST SYSTEM: SALMONELLA TYPHIMURIUM METABOLIC ACTIVATION: WITH AND WITHOUT METABOLIC ACTIVATION RESULT: NEGATIVE REMARKS: (ECHA)  TEST TYPE: IN VIVO MICRONUCLEUS TEST SPECIES: MOUSE CELL TYPE: RED BLOOD CELLS (ERYTHROCYTES) APPLICATION ROUTE: INTRAPERITONEAL INJECTION  RESULT: NEGATIVE REMARKS: (ECHA)
<b>CARCINOGENICITY</b>	
IARC:	NO INGREDIENT OF THIS PRODUCT PRESENT AT LEVELS GREATER THAN OR EQUAL TO 0.1% IS IDENTIFIED AS PROBABLE, POSSIBLE OR CONFIRMED HUMAN CARCINOGEN BY IARC.
NTP:	NO COMPONENT OF THIS PRODUCT PRESENT AT LEVELS GREATER THAN OR EQUAL TO 0.1% IS IDENTIFIED AS A KNOWN OR ANTICIPATED CARCINOGEN BY NTP.
OSHA:	NO COMPONENT OF THIS PRODUCT PRESENT AT LEVELS GREATER THAN OR EQUAL TO 0.1% IS ON OSHA'S LIST OF REGULATED CARCINOGENS.
<b>REPRODUCTIVE TOXICITY</b>	NO DATA AVAILABLE
<b>SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE</b>	NO DATA AVAILABLE
<b>SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE</b>	NO DATA AVAILABLE
<b>ASPIRATION HAZARD</b>	NO DATA AVAILABLE



**ADDITIONAL  
INFORMATION**

RTECS: NOT AVAILABLE

ZINC OXIDE DUST OR FUME CAN IRRITATE RESPIRATORY TRACT. PROLONGED SKIN CONTACT CAN PRODUCE A SEVERE DERMATITIS CALLED OXIDE POX. EXPOSURE TO HIGH LEVELS OF DUST OR FUME CAN CAUSE METALLIC TASTE, MARKED THIRST, COUGHING, FATIGUE, WEAKNESS, MUSCULAR PAIN, AND NAUSEA FOLLOWED BY FEVER AND CHILLS. SEVERE OVEREXPOSURE MAY RESULT IN BRONCHITIS OR PNEUMONIA WITH A BLUISH TINT TO THE SKIN, BURNING SENSATION, COUGH, WHEEZING, LARYNGITIS, SHORTNESS OF BREATH, HEADACHE, NAUSEA, VOMITING, AIRWAY RESISTANCE, CARDIOVASCULAR EFFECTS, PULMONARY EDEMA, CONGESTIVE HEART FAILURE

TO THE BEST OF OUR KNOWLEDGE, THE CHEMICAL, PHYSICAL, AND TOXICOLOGICAL PROPERTIES HAVE NOT BEEN THOROUGHLY INVESTIGATED.

STOMACH - IRREGULARITIES - BASED ON HUMAN EVIDENCE

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**SECTION 12. ECOLOGICAL INFORMATION**

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**TOXICITY**

TOXICITY TO FISH

STATIC TEST LC50 - PIMEPHALES PROMELAS (FATHEAD MINNOW) - 0.330 MG/L - 96 H

REMARKS: (ECHA)

TOXICITY TO DAPHNIA  
AND OTHER AQUATIC  
INVERTEBRATES

STATIC TEST EC50 - DAPHNIA MAGNA (WATER FLEA) - 1.4 MG/L - 48 H

(OECD TEST GUIDELINE 202)

TOXICITY TO ALGAE

EC50 - CHLORELLA VULGARIS (FRESH WATER ALGAE) - 64.8 MG/L - 72 H

REMARKS: (IUCLID)

TOXICITY TO BACTERIA

STATIC TEST EC50 - ACTIVATED SLUDGE - 5.2 MG/L - 3 H  
(OECD TEST GUIDELINE 209)

TOXICITY TO FISH  
(CHRONIC TOXICITY)

FLOW-THROUGH TEST NOEC - SALMO TRUTTA - 0.056 MG/L - 116 D

(OECD TEST GUIDELINE 210)

TOXICITY TO DAPHNIA  
AND OTHER AQUATIC  
INVERTEBRATES  
(CHRONIC TOXICITY)

SEMI-STATIC TEST NOEC - SHRIMP - 0.0318 MG/L - 7 D  
(US-EPA)

**PERSISTENCE AND  
DEGRADABILITY**

THE METHODS FOR DETERMINING THE BIOLOGICAL DEGRADABILITY ARE NOT APPLICABLE TO INORGANIC SUBSTANCES.

**BIOACCUMULATIVE POTENTIAL**

BIOACCUMULATION CHANNA PUNCTATA - 45 D

AT 27 °C

BIOCONCENTRATION FACTOR (BCF): 0.4

**MOBILITY IN SOIL**

NO DATA AVAILABLE

**RESULTS OF PBT AND  
VPVB ASSESSMENT**

PBT/VPVB ASSESSMENT NOT AVAILABLE AS CHEMICAL  
SAFETY ASSESSMENT NOT REQUIRED/NOT  
CONDUCTED.

**OTHER ADVERSE  
EFFECTS**

NO DATA AVAILABLE

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**SECTION 13. DISPOSAL CONSIDERATIONS**

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**WASTE TREATMENT METHODS****PRODUCT**

WASTE MATERIAL MUST BE DISPOSED OF IN  
ACCORDANCE WITH THE NATIONAL AND LOCAL  
REGULATIONS. LEAVE CHEMICALS IN ORIGINAL  
CONTAINERS. NO MIXING WITH OTHER WASTE. HANDLE  
UNCLEANED CONTAINERS LIKE THE PRODUCT ITSELF.

**CONTAMINATED  
PACKAGING**

DISPOSE OF AS UNUSED PRODUCT.

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**SECTION 14. TRANSPORT INFORMATION**

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**DOT (US)**

PROPER SHIPPING NAME: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID,  
N.O.S. (Zinc sulfate heptahydrate)  
UN NUMBER: 3077  
CLASS: 9  
PACKING GROUP: III  
REPORTABLE 1000 LBS  
QUANTITY(RQ):  
POISON INHALATION NO  
HAZARD:

**IMDG**

PROPER SHIPPING NAME: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID,  
N.O.S. (Zinc sulfate heptahydrate)  
UN NUMBER: 3077  
CLASS: 9

PACKING GROUP: III  
EMS-NO: F-A, S-F  
MARINE POLLUTANT : YES

**IATA**

PROPER SHIPPING NAME: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID,  
N.O.S. (Zinc sulfate heptahydrate)  
UN NUMBER: 3077  
CLASS: 9  
PACKING GROUP: III

**FURTHER INFORMATION**

EHS-MARK REQUIRED (IMDG CODE 2.10.3) FOR SINGLE PACKAGINGS AND  
COMBINATION PACKAGINGS CONTAINING INNER PACKAGINGS WITH DANGEROUS  
GOODS > 5L FOR LIQUIDS OR > 5KG FOR SOLIDS.

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**SECTION 15. REGULATORY INFORMATION**

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**CERCLA REPORTABLE QUANTITY**

COMPONENTS	CAS-NO.	COMPONENT RQ (LBS)	CALCULATED PRODUCT RQ (LBS)
ZINC SULFATE HEPTAHYDRATE	7446-20-0	1000	1000

**SARA 304 EXTREMELY HAZARDOUS SUBSTANCES REPORTABLE QUANTITY**

THIS MATERIAL DOES NOT CONTAIN ANY COMPONENTS WITH A SECTION 304 EHS  
RQ.

**SARA 302 EXTREMELY HAZARDOUS SUBSTANCES THRESHOLD PLANNING  
QUANTITY**

THIS MATERIAL DOES NOT CONTAIN ANY COMPONENTS WITH A SECTION 302 EHS  
TPQ.

**SARA 313**

THE FOLLOWING COMPONENTS ARE SUBJECT TO  
REPORTING LEVELS ESTABLISHED BY SARA TITLE III,  
SECTION 313:

ZINC SULFATE HEPTAHYDRATE                      7446-20-0                      >= 90 - <= 100 %

**US STATE REGULATIONS**

**MASSACHUSETTS RIGHT TO KNOW**

ZINC SULFATE HEPTAHYDRATE                      7446-20-0

**PENNSYLVANIA RIGHT TO KNOW**

ZINC SULFATE HEPTAHYDRATE                      7446-20-0

**MAINE CHEMICALS OF HIGH CONCERN**

PRODUCT DOES NOT CONTAIN ANY LISTED CHEMICALS

**VERMONT CHEMICALS OF HIGH CONCERN**

PRODUCT DOES NOT CONTAIN ANY LISTED CHEMICALS

**WASHINGTON CHEMICALS OF HIGH CONCERN**

PRODUCT DOES NOT CONTAIN ANY LISTED CHEMICALS

**THE INGREDIENTS OF THIS PRODUCT ARE REPORTED IN THE FOLLOWING INVENTORIES:**

TSCA                                      ALL SUBSTANCES LISTED AS ACTIVE ON THE TSCA INVENTORY

**TSCA LIST**

NO SUBSTANCES ARE SUBJECT TO A SIGNIFICANT NEW USE RULE.

NO SUBSTANCES ARE SUBJECT TO TSCA 12(B) EXPORT NOTIFICATION REQUIREMENTS.

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**SECTION 16.      OTHER INFORMATION**

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**FULL TEXT OF H-STATEMENTS REFERRED TO UNDER SECTIONS 2 AND 3.**

H302	HARMFUL IF SWALLOWED.
H318	CAUSES SERIOUS EYE DAMAGE.
H410	VERY TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS.

**MSDS LEGEND**

MW:	MOLECULAR WEIGHT
MF:	MOLECULAR FORMULA
VOC:	VOLATILE ORGANIC COMPOUNDS
ACGIH:	AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS
CAS:	CHEMICAL ABSTRACTS SERVICE REGISTRY NUMBER
OSHA:	OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
PEL:	PERMISSIBLE EXPOSURE LIMIT (OSHA)
TLV:	THRESHOLD LIMIT VALUE (ACGIH)

**IMPORTANT:**

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