

Material Safety Data Sheet (MSDS)

Section 1: Chemical Product and Company Identification	
Product Name	Zinc Sulfate Heptahydrate
CAS Number	7733-02-0
Chemical Formula	ZnSO ₄ ·7H ₂ O
Company Name	CAMACHEM (Part of CAMAL Group) 3F Jinlong East Beijing Station Road Chaoyang District, Beijing, China
Contact	sales@camachem.com
Company Website	www.camachem.com
Section 2: Composition and Information on Ingredients	
Name	Zinc Sulfate Heptahydrate
CAS #	7733-02-0
% by Weight	99
Section 3: Hazards Identification	
Potential Acute Health Effects:	Hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation.
Potential Chronic Health Effects:	Not available.
Section 4: First Aid Measures	
Eye Contact:	Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used. Do not use an eye ointment. Seek medical attention.
Skin Contact:	After contact with skin, wash immediately with plenty of water. Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. Cold water may be used. Cover the irritated skin with an emollient. If irritation persists, seek medical attention.

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Serious Skin Contact:	Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek medical attention.
Inhalation:	Allow the victim to rest in a well ventilated area. Seek immediate medical attention.
Serious Inhalation:	Not available.
Ingestion:	Do not induce vomiting. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.
Serious Ingestion:	Not available.
Section 5: Fire and Explosion Data	
Flammability of the Product:	Non-flammable.
Auto-Ignition Temperature:	Not applicable.
Flash Points:	Not applicable.
Flammable Limits:	Not applicable.
Products of Combustion:	Not available.
Fire Hazards in Presence of Various Substances:	Not applicable.
Explosion Hazards in Presence of Various Substances:	Not available.
Fire Fighting Media and Instructions:	Not available.
Special Remarks on Fire Hazards:	Not available.
Special Remarks on Explosion Hazards:	Not available.
Section 6: Accidental Release Measures	
Small Spill:	Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.
Large Spill:	Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow evacuating through the sanitary system.
Section 7: Handling and Storage	
Precautions:	Do not breathe dust. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If you feel unwell, seek medical attention and show the label when possible. Avoid contact with skin and eyes.

Storage:	No specific storage is required. Use shelves or cabinets sturdy enough to bear the weight of the chemicals. Be sure that it is not necessary to strain to reach materials, and that shelves are not overloaded.
Section 8: Exposure Controls/Personal Protection	
Engineering Controls:	Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.
Personal Protection:	Splash goggles. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.
Personal Protection in Case of a Large Spill:	Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.
Exposure Limits:	Not available.
Section 9: Physical and Chemical Properties	
Physical state and appearance:	Solid.
Odor:	Not available.
Taste:	Not available.
Molecular Weight:	287.56 g/mole
Color:	Not available.
pH (1% soln/water):	Not available.
Boiling Point:	Not available.
Melting Point:	Not available.
Critical Temperature:	Not available.
Specific Gravity:	Not available.
Vapor Pressure:	Not applicable.
Vapor Density:	Not available.
Volatility:	Not available.
Odor Threshold:	Not available.
Water/Oil Dist. Coeff.:	Not available.
Ionicity (in Water):	Not available.
Dispersion Properties:	See solubility in water.
Solubility:	Soluble in cold water.
Section 10: Stability and Reactivity Data	

Stability:	The product is stable.
Instability Temperature:	Not available.
Conditions of Instability:	Not available.
Incompatibility with various substances:	Not available.
Corrosivity:	Non-corrosive in presence of glass.
Special Remarks on Reactivity:	Not available.
Special Remarks on Corrosivity:	Not available.
Polymerization:	No.
Section 11: Toxicological Information	
Routes of Entry:	Eye contact. Inhalation. Ingestion.
Toxicity to Animals:	LD50 : Not available. LC50 : Not available.
Chronic Effects on Humans:	Not available.
Other Toxic Effects on Humans:	Hazardous in case of skin contact (irritant), of ingestion, of inhalation.
Special Remarks on Toxicity to Animals:	Not available.
Special Remarks on Chronic Effects on Humans:	Not available.
Special Remarks on other Toxic Effects on Humans:	Not available.
Section 12: Ecological Information	
Ecotoxicity:	Not available.
BOD5 and COD:	Not available.
Products of Biodegradation:	Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.
Toxicity of the Products of Biodegradation:	The products of degradation are more toxic.
Special Remarks on the Products of Biodegradation:	Not available.
Section 13: Disposal Considerations	
Waste Disposal:	Waste must be disposed of in accordance with federal, state and local environmental control regulations.
Section 14: Transport Information	
DOT Classification:	Not a DOT controlled material (United States).
Identification:	Not applicable.
Special Provisions for Transport:	Not applicable.

Section 15: Other Regulatory Information

Federal and State Regulations:	Pennsylvania RTK : Zinc sulfate monohydrate Massachusetts RTK : Zinc sulfate monohydrate TSCA 8(b) inventory : Zinc sulfate monohydrate SARA 313 toxic chemical notification and release Reporting : Zinc sulfate monohydrate CERCLA : Hazardous Substances : Zinc sulfate monohydrate
Other Regulations:	Not available.
Other Classifications:	
WHMIS (Canada):	Not controlled under WHMIS (Canada).
DSCL (EEC):	R36/38- Irritating to eyes and skin.
HMIS (U.S.A.):	Health Hazard: 2 Fire Hazard: 0 Reactivity: 0 Personal Protection: E
National Fire Protection Association (U.S.A.):	Health Hazard: 2 Fire Hazard: 0 Reactivity: 0 Personal Protection:
Protective Equipment:	Gloves, Lab coat, Dust respirator. Be sure to use an approved/certified respirator or equivalent, Splash goggles.

Section 16: Other Information

References:	None.
Other Special Considerations:	None.
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incidental, consequential or exemplary damages, howsoever arising, even if we have been advised of the possibility of such damages.

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