SAFETY DATA SHEET

Section 1 Chemical Product and Company Identification

HOME SCIENCE TOOLS

665 Carbon Street Billings, MT 59102 800-860-6272 www.homesciencetools.com

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CHEMTREC 24 Hour Emergency USA Phone Number (800) 424-9300 1 703-741-5500 (from anywhere in the world).

For laboratory and industrial use only. Not for drug, food or household use.

ZINC SULFATE, HEPTAHYDRATE Product Synonyms Sulfuric Acid, Zinc Salt (1:1), Heptahydrate Section 2 **Hazards Identification** Signal word: DANGER Precautionary statement: Pictograms: GHS05 / GHS07 / GHS09 P264: Wash hands thoroughly after handling. Target organs: None known P270: Do not eat, drink or smoke when using this product. P280: Wear protective gloves/protective clothing/eye protection/face protection. P301+P330+P312: IF SWALLOWED: Rinse mouth. Call a POISON CENTER or doctor if you feel unwell. P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. **GHS Classification:** P310: Immediately call a POISON CENTER or doctor. Acute toxicity, oral (Category 4) P273: Avoid release to the environment. Eye damage (Category 1) P391: Collect spillage. Aquatic acute (Category 1) P501: Dispose of contents/container to a licensed chemical disposal agency in Aquatic chronic (Category 1) accordance with local/regional/national regulations. GHS Label information: Hazard statement: H302: Harmful if swallowed. H318: Causes serious eye damage. H400: Verv toxic to aquatic life. H410: Very toxic to aquatic life with long lasting effects.

Hazards not otherwise classified:

Health hazards not otherwise classified (HHNOC) - Not Known

Physical hazards not otherwise classified (PHNOC) - Not Known

Section 3 Composition / Information on	Ingredients			
Chemical Name	CAS #	%	EINECS	
Zinc sulfate, heptahydrate	7446-20-0	100%	231-793-3 (anhydrous)	
Section 4 First Aid Measures				

INGESTION: HARMFUL IF SWALLOWED. Call physician or Poison Control Center immediately. Induce vomiting only if advised by appropriate medical personnel. Never give anything by mouth to an unconscious person.

INHALATION: MAY BE HARMFUL IF INHALED. CAUSES RESPIRATORY TRACT IRRITATION. Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

EYE CONTACT: CAUSES SEVERE EYE IRRITATION. Check for and remove contact lenses. Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get immediate medical attention.

SKIN ABSORPTION: MAY BE HARMFUL IF ABSORBED THROUGH SKIN. CAUSES SKIN IRRITATION. Remove contaminated clothing. Flush thoroughly with mild soap and water. If irritation occurs, get medical attention.

Section 5 Fire Fighting Measures

Suitable Extinguishing Media: Carbon dioxide, dry chemical, dry sand, alcohol foam. Use any media suitable for extinguishing supporting fire

Protective Actions for Fire-fighters: In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus and full protective gear. Use water spray to keep fire-exposed containers cool.

Specific Hazards: During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Use water carefully as material will react with water to form acidic solution.

Section 6 Accidental Release Measures

Personal Precautions: Evacuate personnel to safe area. Use proper personal protective equipment as indicated in Section 8. Provide adequate ventilation.

Environmental Precautions: Avoid runoff into storm sewers and ditches which lead to waterways.

Containment and Cleanup: Sweep or vacuum up and place in a suitable container for proper disposal. Wash spill area with soap and water.

Section 7 Handling & Storage

ERG: Emergency Response Guidebook.

Form 06/2015

Precautions for Safe Handling: Read label on container before using. Do not wear contact lenses when working with chemicals. Keep out of reach of children. Avoid contact with eyes, skin and clothing. Do not inhale dusts. Use with adequate ventilation. Avoid ingestion. Wash thoroughly after handling. Remove and wash clothing before reuse.

Conditions for Safe Storage: Store in a cool, dry, well-ventilated area away from incompatible substances.

Section 8	Exposure Controls / Personal Pro	tection		
Exposure Limits:	Chemical Name	ACGIH (TLV)	OSHA (PEL)	NIOSH (REL)
Exposure Linits.	Particles not otherwise classified	Not established	TWA: 15 mg/m ³ total dust	Not established

Engineering controls: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower and fire extinguishing material. Personnel should wear safety glasses, goggles, or faceshield, lab coat or apron, appropriate protective gloves. Use adequate ventilation to keep airborne concentrations low.

Respiratory protection: None should be needed in normal laboratory handling at room temperatures. If dusty conditions prevail, work in fume hood or wear a NIOSH/MSHAapproved respirator.

approved respirator	I.						
Section 9	Physical & Chemi	cal Properties					
Odor: No odor. Odor threshold: D pH: Data not availa	able. point: 100°C (212°F) a not available	Flammabili Explosion Vapor pres Vapor dens Relative de	n rate (=1): Data not a ty (solid/gas): Data not imits: Lower / Upper: sure (mm Hg): Data not ity (Air = 1): Data not a nsity (Specific gravity): as): Soluble in water.	available. Data not available : available vailable	Auto-igniti Decompos Viscosity: Molecular	befficient: Data on temperature ition temperatu Data not availab formula: ZnSO2 weight: 287.54	: Data not available Ire: >500°C ble.
Section 10	Stability & Reactiv	vity					
Chemical stability Conditions to avoi	: Stable id: Temperatures above		rdous polymerization:	Will not occur.			
Incompatible mate	erials: Strong oxidizers	and strong bases.					
Hazardous decom	position products: Zin	c oxides and sulfur ox	des.				
Section 11	Toxicological Info	rmation					
IARC: No compone OSHA: No compon Reproductive toxi	nt of this product present ent of this product present ent of this product prese city: Data not available	it at levels greater thar	or equal to 0.1% is iden	tified as probable, po	ossible or confi	med human card	o ,
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