SB14933 COPPER SULFATE PENTAHYDRATE PWD 500G SAFETY DATA SHEET 7167 SDS No.: CC0550

Section 1 **Chemical Product and Company Information CHEMTREC 24 Hour Emergency** Phone Number (800) 424-9300 901 Janesville Ave For laboratory use only. P.O. Box 901 Not for drug, food or household use. Fort Atkinson, WI 53538-0901 **COPPER(II) SULFATE, PENTAHYDRATE** Product Synonyms Cupric Sulfate, 5-Hydrate Section 2 Hazards Identification Signal word: WARNING Precautionary statement: Pictograms: GHS07 / GHS09 P264: Wash hands thoroughly after handling. Target organs: Liver, Kidneys, Lungs, Spleen. 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+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. **GHS Classification:** Remove contact lenses, if present and easy to do. Continue rinsing. Acute toxicity-oral (Category 4) P332+P313: If skin irritation occurs: Get medical attention. Skin irritation (Category 2) P337+P313: If eye irritation persists: Get medical attention. Eye irritation (Category 2A) P362+P364: Take off contaminated clothing and wash it before reuse. Aquatic acute toxicity (Category 1) P391: Collect spillage. Aquatic chronic toxicity (Category 1) P501: Dispose of contents/container to a licensed chemical disposal agency in accordance with local/regional/national regulations. **GHS Label information: Hazard statement:** H302: Harmful if swallowed. H315: Causes skin irritation. H319: Causes serious eye irritation. H410: Very toxic to aquatic life with long lasting effects.

Ca Prop 65 - This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

Section 3	Composition / Information o	n Ingredients		and the second sec			
Chemical Name		CAS # 7758-99-8	% >99%	EINECS			
Cupric sulfate				231-847-6 (anhydrous)			
Section 4	First Aid Measures						

INGESTION: MAY BE 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 CAUSE 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: 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.

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.

GENERAL STORAGE CODE GREEN

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Section 7 Handling & Storage

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 / Perso	nal Protection	I WARD	ferson in an and the second	· · · · · · · · · · · · · · · · · · ·	an a	and the second se
Exposure Limits: Chemical Name Copper, dusts and mists, as	Cu	ACGIH (TLV)		OSHA (PEL)		NIOSH (REL)
Engineering controls: Facilities storing or utilizing the should wear safety glasses, goggles, or faceshield, la	is material should be coat or apron	, appropriate protective	eyewash facility ar gloves. Use adequ	uate ventilation	to keep airbome of	concentrations low.
Respiratory protection: None should be needed in approved respirator.	Ionnal laborato	y nanding at room temp	eratures. If dusty	conditions prev	vali, work in turne	nood or wear a NIOSH/MSHA-
Section 9 Physical & Chemical Prop	erties			grouper at		
Appearance: Blue, crystalline solid Odor: Odorless Odor threshold: Data not available pH: 3.7-4.2 (10% solution) Melting / Freezing point: 150°C (302°F) Boiling point: Decomposes Flash point: Non-flammable	Evaporation rate (= 1): Not applicable Flammability (solid/gas): Not applicable Explosion limits: Lower / Upper: Not applicable Vapor pressure (mm Hg): 20 tor: @ 22.5°C Vapor density (Air = 1): Data not available Relative density (Specific gravity): 2.284 Solubility(ies): 31.6 g/100 ml water @ 0°C			Partition coefficient: Data not available Auto-ignition temperature: Data not available Decomposition temperature: 560°C (1040°F) Viscosity: Data not available. Molecular formula: CuSO ₄ •5H ₂ O Molecular weight: 249.68		
Section 10 Stability & Reactivity						
Chemical stability: Stable Conditions to avoid: Hygroscopic material. Stable of Incompatible materials: Reducing agents, acetylene iron. Hazardous decomposition products: Oxides of sul	vhen kept dry, u e or nitromethan	e, magnesium, strong b	and pressure. Av			
Section 11 Toxicological Information						
Serious eye damage/irritation: Data not available Respiratory or skin sensitization: Data not available Germ cell mutagenicity: Data not available Carcinogenity: Data not available NTP: No component of this product present at levels IARC: No component of this product present at levels OSHA: No component of this product present at levels OSHA: No component of this product present at levels STOT-single exposure: Data not available STOT-repeated exposure: Data not available Aspiration hazard: Data not available Potential health effects: Inhalation: May cause irritation to the mucous memb Ingestion: Ingestion can cause irritation to the digest Skin: Contact with skin causes slight irritation. Excess Eyes: Can cause severe irritation and may result in i Signs and symptoms of exposure: Note to physic depression and convulsions may be needed. Wilson dizziness, jaundice, and general debility. Additional information: RTECS #: GL8900000	greater than or s greater than or s greater than or ranes and uppe ive tract and ab sive exposure r meversible eyer an: Probable m	equal to 0.1% is identifi or equal to 0.1% is identifi or respiratory tract. dominal pain. nay cause allergic derm damage. nucosal damage may co	ed as probable, po fied as a carcinogo atitis. May cause i ntradict the use of	ossible or confir en or potential o irritation or bum gastric lavage.	med human carci arcinogen by OSI as on wet skin. Measures agains	HA.
Section 12 Ecological Information						
Toxicity to fish: Salmo gairdneri (fish, estuary, fresh Toxicity to daphnia and other aquatic invertebrate Toxicity to algae: No data available Persistence and degradability: No data available Mobility in soil: No data available Other adverse effects: An environmental hazard ca Section 13 Disposal Considerations These disposal guidelines are intended for the or regulations may be different. Dispose of in acc Section 14 Transport Information	Bioaccum PBT and v nnot be exclude	lable ulative potential: No of PvB assessment: No ad in the event of unprofi- alog-size quantities or	lata available data available essional handling (hy. Federal regu	or disposal. Ilations may a	pply to empty co a licensed cher	ontainer. State and/or local mical disposal agency.
Hazard class: 9 Packing g	roup: III		le Quantity: 10) lbs (4.54 kg)) Ma	rine pollutant: Yes
Exceptions: Non regulated equal to or less t	han 4.539 Kg	; Reportable quantity	equal to or mor	e than 4.54 K	.g 201	2 ERG Guide # 171
Section 15 Regulatory Information A chemical is considered to be listed if the CAS number for I	he anhydrous for	n is on the Inventory list	and the fait of the transmission of the second s	in the second second		
Component	TSCA	CERLCA (RQ)	RCRA code	DSL	NDSL	WHMIS Classification
Cupric sulfate	Listed	10 lbs (4.54 kg)	Not listed	Not listed	Not listed	D2B
Section 16 Additional Information						
The information contained herein is furnished without warran dent determinations of suitability and completeness of inforr IARC: International Agency for Research on Cancer, OSHA ERG: Emergency Response Guidebook.	nation from all sou	rces to assure proper use fety and Health Administrati	of these materials an	d the safety and f arget Organ Toxic	health of employees city, SE: Single Expo	. NTP: National Toxicology Progra