

SAFETY DATA SHEET

1. Product and Company Identification

Product identifier	C-Pool Mineral Treatment
Other means of identification	Not available
Recommended use	Pool Water Treatment
Recommended restrictions	It is a violation of Federal law to use this product in a manner inconsistent with its labeling.
Manufacturer	C-Pool Minerals 122 Edward Street St. Thomas, ON N5P 1Z2 CA Phone: 519-518-2396 Fax: 519-631-9042 Email: contact@c-pool.ca Website: www.c-pool.com Emergency Phone: 613-996-6666 (CANUTEC)

2. Hazards Identification

Physical hazards	Not classified.	
Health hazards	Serious eye damage/eye irritation	Category 2A
Environmental hazards	Not classified.	
OSHA defined hazards	Not classified.	

Label elements



Signal word	Warning
Hazard statement	Causes serious eye irritation.
Precautionary statement	
Prevention	Wash thoroughly after handling. Wear eye/face protection.
Response	If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
Storage	Store away from incompatible materials.
Disposal	Dispose of contents/container in accordance with local/regional/national/international regulations.
Hazard(s) not otherwise classified (HNOC)	None known.
Supplemental information	Not applicable.

3. Composition/Information on Ingredients

Mixture

Chemical name	Common name and synonyms	CAS number	%
Copper (II) sulfate pentahydrate		7758-99-8	12.375

Composition comments	Not applicable to EPA registered products. Refer to product label for active ingredient content. Not applicable to PCP products. Refer to product label for active ingredient content.
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4. First Aid Measures

Inhalation	If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor if you feel unwell.
Skin contact	If on skin or clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control centre or doctor for treatment advice.
Eye contact	If in eyes, hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control centre or doctor for treatment advice.

Ingestion	If swallowed, call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.
	Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.
Most important symptoms/effects, acute and delayed	Symptoms may include stinging, tearing, redness, swelling, and blurred vision.
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically. In case of shortness of breath, give oxygen. Symptoms may be delayed.
General information	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. If you feel unwell, seek medical advice (show the label where possible). Show this safety data sheet to the doctor in attendance. Avoid contact with eyes and skin. Keep out of reach of children.

5. Fire Fighting Measures

Suitable extinguishing media	Treat for surrounding material.
Unsuitable extinguishing media	None known.
Specific hazards arising from the chemical	Firefighters should wear a self-contained breathing apparatus.
Special protective equipment and precautions for firefighters	Firefighters should wear full protective clothing including self contained breathing apparatus.
Fire-fighting equipment/instructions	In the event of fire, cool tanks with water spray.
Specific methods	Cool containers exposed to flames with water until well after the fire is out.
General fire hazards	No unusual fire or explosion hazards noted.
Hazardous combustion products	May include and are not limited to: Oxides of carbon. Oxides of sulfur.
Explosion data	
Sensitivity to mechanical impact	Not available.
Sensitivity to static discharge	Not available.

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures	Immediately evacuate personnel to safe areas. Keep out of low areas. Keep people away from and upwind of spill/leak. Ventilate closed spaces before entering them. Use a NIOSH/MSHA approved respirator if there is a risk of exposure to dust/fume at levels exceeding the exposure limits. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
Methods and materials for containment and cleaning up	Prevent entry into waterways, sewers, basements or confined areas. This material is a water pollutant and should be prevented from contaminating soil or from entering sewage and drainage systems and bodies of water. Before attempting clean up, refer to hazard data given above. Use broom or dry vacuum to collect material for proper disposal without raising dust. Rinse area with water. Prevent large spills from entering sewers or waterways. Contact emergency services and supplier for advice. For waste disposal, see section 13 of the SDS.
Environmental precautions	Do not discharge into lakes, streams, ponds or public waters.

7. Handling and Storage

Precautions for safe handling	Minimize dust generation and accumulation. Avoid breathing dust. Provide appropriate exhaust ventilation at places where dust is formed. Avoid contact with eyes, skin and clothing. Avoid prolonged exposure.
	Practice good housekeeping. Use good industrial hygiene practices in handling this material. Wear appropriate personal protective equipment. In case of insufficient ventilation, wear suitable respiratory equipment. When using do not eat or drink. Wash thoroughly after handling.

Conditions for safe storage, including any incompatibilities

Store away from incompatible materials (see Section 10 of the SDS).
Guard against dust accumulation of this material.
Keep container closed when not in use.
Keep in dry, cool place out of reach of children.
Store in a well-ventilated place.
Do not reuse empty container.

8. Exposure Controls/Personal Protection

Occupational exposure limits**US. NIOSH: Pocket Guide to Chemical Hazards**

Components	Type	Value	Form
Copper (II) sulfate pentahydrate (CAS 7758-99-8)	TWA	1 mg/m ³	Dust and mist.

Biological limit values

No biological exposure limits noted for the ingredient(s).

Exposure guidelines

Chemicals listed in section 3 that are not listed here do not have established limit values for ACGIH or OSHA PEL.

Appropriate engineering controls

Ensure adequate ventilation.

Individual protection measures, such as personal protective equipment**Eye/face protection**

Safety goggles or glasses.

Skin protection**Hand protection**

Rubber gloves. Confirm with a reputable supplier first.

Other

Wear suitable protective clothing.

If clothing or footwear becomes contaminated with the product, remove it and completely decontaminate it before re-use, or discard it.

Respiratory protection

Use a NIOSH/MSHA approved respirator if there is a risk of exposure to dust/fume at levels exceeding the exposure limits.

Thermal hazards

Not available.

General hygiene considerations

Handle in accordance with good industrial hygiene and safety practice.

Washing with soap and water after use is recommended as good hygienic practice to prevent possible eye irritation from hand contact.

When using do not eat or drink.

9. Physical and Chemical Properties

Appearance Granular powder

Physical state Solid.

Form Powder.

Color Light blue

Odor Odorless.

Odor threshold Not available.

pH 6.3 (10% solution)

Melting point/freezing point Not available.

Initial boiling point and boiling range Not available.

Pour point Not available.

Specific gravity Not available.

Partition coefficient (n-octanol/water) Not available.

Flash point Not available.

Evaporation rate Not available.

Flammability (solid, gas) Not applicable.

Upper/lower flammability or explosive limits

Flammability limit - lower (%) Not available.

Flammability limit - upper (%) Not available.

Explosive limit - lower (%) Not available.

Explosive limit - upper (%) Not available.

Vapor pressure Not available.

Exposure minutes	Not available.
Erythema value	Not available.
Oedema value	Not available.
Serious eye damage/eye irritation	Causes serious eye irritation based on test results.
Corneal opacity value	Not available.
Iris lesion value	Not available.
Conjunctival reddening value	Not available.
Conjunctival oedema value	Not available.
Recover days	Not available.
Respiratory or skin sensitization	
Respiratory sensitization	Not available.
Skin sensitization	Not a skin sensitizer based on test data.
Germ cell mutagenicity	Non-hazardous by WHMIS/OSHA criteria.
Mutagenicity	Non-hazardous by WHMIS/OSHA criteria.
Carcinogenicity	Non-hazardous by WHMIS/OSHA criteria.
Reproductive toxicity	Non-hazardous by WHMIS/OSHA criteria.
Teratogenicity	Non-hazardous by WHMIS/OSHA criteria.
Specific target organ toxicity - single exposure	Not classified.
Specific target organ toxicity - repeated exposure	Not classified.
Aspiration hazard	Not available.
Chronic effects	Non-hazardous by WHMIS/OSHA criteria.
Further information	Not available.
Name of Toxicologically Synergistic Products	Not available.

12. Ecological Information

Ecotoxicity	See below		
Components		Species	Test Results
Copper (II) sulfate pentahydrate (CAS 7758-99-8)			
Crustacea	EC50	Daphnia	0.187 mg/L, 48 Hours
Aquatic			
Crustacea	EC50	Water flea (Daphnia magna)	0.006 - 0.007 mg/l, 48 hours
Fish	LC50	Bluegill (Lepomis macrochirus)	0.66 - 1.15 mg/l, 96 hours
Persistence and degradability	No data is available on the degradability of this product.		
Bioaccumulative potential	No data available.		
Mobility in soil	No data available.		
Mobility in general	Not available.		
Other adverse effects	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.		

13. Disposal Considerations

Disposal instructions	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. This material and its container must be disposed of as hazardous waste. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations. Wrap and dispose of empty container in household garbage. For information on unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, or for clean-up of spills.
Local disposal regulations	Dispose in accordance with all applicable regulations.
Hazardous waste code	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Waste from residues / unused products	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

Contaminated packaging

Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

14. Transport Information

General

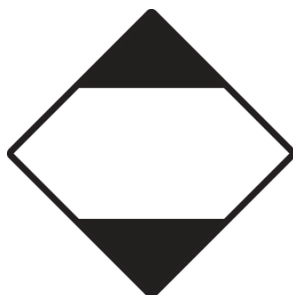
North American Free Trade Agreement (NAFTA) #: 380-899-9500.

U.S. Department of Transportation (DOT)**Basic shipping requirements:**

UN number UN3077
Proper shipping name Environmentally hazardous substances, solid, n.o.s. (Copper (II) sulfate pentahydrate)
Hazard class Limited Quantity - US
Packing group III
Packaging exceptions <5Kg Limited Quantity

Transportation of Dangerous Goods (TDG - Canada)**Basic shipping requirements:**

UN number UN3077
Proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Copper (II) sulfate pentahydrate)
Hazard class Limited Quantity - Canada
Packing group III
Special provisions 16
Packaging exceptions <5Kg Limited Quantity

DOT; TDG

15. Regulatory Information

Canadian federal regulations

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations.

Canada Priority Substances List (Second List): Listed substance

Aluminum sulphate (CAS 10043-01-3) Listed.
 Sodium chloride (CAS 7647-14-5) Listed.

Canada WHMIS Ingredient Disclosure: Threshold limits

Aluminum sulphate (CAS 10043-01-3) 1 %

WHMIS classification

Exempt - Registered product - (PCP 17668)

US federal regulations

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals. The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including directions for use.

PRECAUTIONARY STATEMENTS:

HAZARDS TO HUMANS AND DOMESTIC ANIMALS.

WARNING: Causes substantial, but temporary eye injury. Do not get in eyes or on clothing. Wear safety glasses. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before wearing.

EPA Reg. # 89248-1

US EPCRA (SARA Title III) Section 313 - Toxic Chemical: De minimis concentration

Copper (II) sulfate pentahydrate (CAS 7758-99-8) 1.0 % N100

US EPCRA (SARA Title III) Section 313 - Toxic Chemical: Listed substance

Copper (II) sulfate pentahydrate (CAS 7758-99-8) Listed. N100

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

US CWA Section 311 Hazardous Substances: Listed substance

Aluminum sulphate (CAS 10043-01-3) Listed.

Copper (II) sulfate pentahydrate (CAS 7758-99-8) Listed.

US CWA Section 307(a)(1) Toxic Pollutants: Listed substance

Copper (II) sulfate pentahydrate (CAS 7758-99-8) Listed.

CERCLA Hazardous Substance List (40 CFR 302.4)

Aluminum sulphate (CAS 10043-01-3) Listed.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

Immediate Hazard - Yes
 Delayed Hazard - No
 Fire Hazard - No
 Pressure Hazard - No
 Reactivity Hazard - No

SARA 302 Extremely hazardous substance No

SARA 311/312 Hazardous chemical No

SARA 313 (TRI reporting)

Chemical name	CAS number	% by wt.
Copper (II) sulfate pentahydrate	7758-99-8	12.375

Other federal regulations

Clean Water Act (CWA) Section 112(r) (40 CFR 68.130) Hazardous substance

Safe Drinking Water Act (SDWA) Not regulated.

Food and Drug Administration (FDA) Not regulated.

US state regulations

This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

US - California Hazardous Substances (Director's): Listed substance

Aluminum sulphate (CAS 10043-01-3) Listed.

Copper (II) sulfate pentahydrate (CAS 7758-99-8) Listed.

US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance

Not listed.

US - Illinois Chemical Safety Act: Listed substance

Aluminum sulphate (CAS 10043-01-3) Listed.

US - Louisiana Spill Reporting List: Reportable quantity (total mass into atmosphere)

Copper (II) sulfate pentahydrate (CAS 7758-99-8) 100 LBS

US - Louisiana Spill Reporting: Listed substance

Aluminum sulphate (CAS 10043-01-3) Listed.

US - Michigan Critical Materials Register: Parameter number

Copper (II) sulfate pentahydrate (CAS 7758-99-8) 07440-50-8 Listed.

US - Minnesota Haz Subs: Listed substance

Aluminum sulphate (CAS 10043-01-3) Listed.

US - New Jersey RTK - Substances: Listed substance

Aluminum sulphate (CAS 10043-01-3) Listed.

US - New York Release Reporting: Hazardous Substances: Listed substance

Aluminum sulphate (CAS 10043-01-3) Listed.

Copper (II) sulfate pentahydrate (CAS 7758-99-8) Listed.

US - Texas Effects Screening Levels: Listed substance

Aluminum sulphate (CAS 10043-01-3) Listed.

Copper (II) sulfate pentahydrate (CAS 7758-99-8) Listed.

Sodium bicarbonate (CAS 144-55-8) Listed.

Sodium chloride (CAS 7647-14-5) Listed.

US. Massachusetts RTK - Substance List

Aluminum sulphate (CAS 10043-01-3) Listed.

Copper (II) sulfate pentahydrate (CAS 7758-99-8) Listed.

US. Pennsylvania RTK - Hazardous Substances

Aluminum sulphate (CAS 10043-01-3) Listed.

Copper (II) sulfate pentahydrate (CAS 7758-99-8) Listed.

US. Rhode Island RTK

Aluminum sulphate (CAS 10043-01-3) Listed.

Inventory status

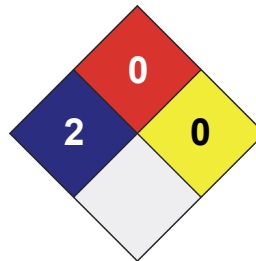
Country(s) or region	Inventory name	On inventory (yes/no)*
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

16. Other Information

LEGEND	
Severe	4
Serious	3
Moderate	2
Slight	1
Minimal	0

HEALTH	/ 2
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	X



Disclaimer

The information in the sheet was written based on the best knowledge and experience currently available. Information contained herein was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document.

Issue date

26-June-2015

Effective date

15-June-2015

Expiry date

15-June-2018

Further information

This pest control product is to be used only in accordance with the directions on the label. It is an offence under the Pest Control Products Act to use this product in a way that is inconsistent with the directions on the label. The user assumes the risk to persons or property that arises from any such use of this product.

For an updated SDS, please contact the supplier/manufacturer listed on the first page of the document.

Prepared by

Dell Tech Laboratories, Ltd. Phone: (519) 858-5021

Other information

This Safety Data Sheet was prepared to comply with the current OSHA Hazard Communication Standard (HCS) adoption of the Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

This SDS conforms to the ANSI Z400.1/Z129.1-2010 Standard.