



Material Safety Data Sheet

Section1. Product Information and Company Identification			
Product name	Copper Sulphate		
Mol.formula	CuO4S	Cas no	7758-99-8
Mol.wt	159.6 g/mol	Cat no	C056
Manufacture name	Pioneers for laboratory chemicals		
Brand name	Piochem		
Address	Area 540, Industrial Zone 6 th October city Giza, Egypt.		
Website	www.piochem.com		
E-mail	info@piochem.com		
Phone number	+201225728304 , +201023932115		

Section 2.Hazards Identification
<p>Classification of the substance or mixture:</p> <p>Irritant</p> <div style="display: flex; align-items: center;">  <p>Acute toxicity (oral, dermal, inhalation), category 4 Skin irritation, category 2 Eye irritation, category 2A</p> </div> <p>Environmentally Damaging</p> <div style="display: flex; align-items: center;">  <p>Acute hazards to the aquatic environment, category 1 Chronic hazards to the aquatic environment, category 1</p> </div> <p>Acute Toxicity 4 (oral) Skin Irritation 2 Eye Irritation 2 Aquatic Acute Toxicity 1 Aquatic Chronic Toxicity 1</p> <p>Signal word :Warning</p> <p>Hazard statements:</p> <ul style="list-style-type: none"> Harmful if swallowed Causes skin irritation Causes serious eye irritation Very toxic to aquatic life Very toxic to aquatic life with long lasting effects



Precautionary statements:

If medical advice is needed, have product container or label at hand
Keep out of reach of children
Read label before use

Wash ... thoroughly after handling

Do not eat, drink or smoke when using this product

Wear protective gloves/protective clothing/eye protection/face protection

Avoid release to the environment
Do not eat, drink or smoke when using this product
Rinse mouth
Specific treatment (see ... on this label)

Take off contaminated clothing and wash before reuse
Collect spillage

IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell

IF ON SKIN:
Wash with soap and water

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing

If skin irritation or a rash occurs: Get medical advice/attention
If eye irritation persists get medical advice/attention.

Section 3. First Aid Measures

Description of first aid measures

After inhalation: Loosen clothing as necessary and position individual in a comfortable position. Seek medical advice if discomfort or irritation persists. Remove to fresh air. Give artificial respiration if necessary. If breathing is difficult, give oxygen.

After skin contact: Wash affected area with soap and water. Rinse thoroughly. Seek medical attention if irritation persists or if concerned.

After eye contact: Protect unexposed eye. Rinse/flush exposed eye(s) gently using water for 15-20 minutes. Remove contact lens(es) if able to do so during rinsing. Seek immediate medical attention or advice.

After swallowing: Rinse mouth thoroughly. Do not induce vomiting. Have exposed individual drink sips of water or milk. Seek immediate medical attention or advice.

Most important symptoms and effects, both acute and delayed:

Irritation, Nausea, Headache, Shortness of breath. Harmful if swallowed; causes digestive and respiratory tract irritation with possible burns. Causes eye and skin irritation and possible burns.; Chronic copper poisoning in man is recognized in the form of Wilson's disease.



Indication of any immediate medical attention and special treatment needed:

Individuals with Wilson's disease are more susceptible to chronic copper poisoning. The use of d-Penicillamine as a chelating agent should be determined by qualified medical personnel. If seeking medical attention, provide SDS document to physician.

Section 4. Fire Fighting Measures

Extinguishing media

Suitable extinguishing agents:

If in laboratory setting, follow laboratory fire suppression procedures. Use appropriate fire suppression agents for adjacent combustible materials or sources of ignition

For safety reasons unsuitable extinguishing agents: Special hazards arising from the substance or mixture:

Combustion products may include carbon oxides or other toxic vapors.

Advice for firefighters:

Protective equipment: Wear protective equipment. Wear protective equipment Use respiratory protective device against the effects of fumes/dust/aerosol Keep unprotected persons away Ensure adequate ventilation Keep away from ignition sources Protect from heat

Additional information (precautions): Move product containers away from fire or keep cool with water spray as a protective measure, where feasible.

Section 5. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures:

Wear protective equipment. Avoid contact with skin and eyes, and clothing. Use respiratory protective device against the effects of fumes/dust/aerosol. Keep unprotected persons away. Ensure adequate ventilation. Keep away from ignition sources. Protect from heat. Stop the spill, if possible. Contain spilled material by diking or using inert absorbent. Transfer to a disposal or recovery container.

Environmental precautions:

Prevent from reaching drains, sewer or waterway. Collect contaminated soil for characterization

Methods and material for containment and cleaning up:

If in a laboratory setting, follow Chemical Hygiene Plan procedures. Collect liquids using vacuum or by use of absorbents. Place into properly labeled containers for recovery or disposal. If necessary, use trained response staff/contractor. Collect solids in powder form using a vacuum or by carefully



sweeping so as not to generate dust. Have adequate ventilation during clean up. Clean up spills immediately.

Section 6. Handling and Storage

Precautions for safe handling:

Wash thoroughly after handling. Follow good hygiene procedures when handling chemical materials. Do not eat, drink, smoke, or use personal products when handling chemical substances. If in a laboratory setting, follow Chemical Hygiene Plan. Avoid generation of dust or fine particulate. Use only in well ventilated area. Remove contaminated clothing and wash before reuse. Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation. Do not ingest or inhale. Handle under an inert atmosphere.

Conditions for safe storage, including any incompatibilities:

Store in a tightly closed container. Store away from oxidizing agents. Store in cool, dry conditions in well sealed containers. Keep container tightly sealed. Store protected from air. Store in a cool, dry, well-ventilated area away from incompatible substances. Do not expose to air. Store protected from moisture. Store under an inert atmosphere. Store in a cool location. Provide ventilation for containers. Avoid storage near extreme heat, ignition sources or open flame. Store away from foodstuffs.

Section 7. Additional Information

This product has been classified in accordance with hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations. Note: The responsibility to provide a safe workplace remains with the user. The user should consider the health hazards and safety information contained herein as a guide and should take those precautions required in an individual operation to instruct employees and develop work practice procedures for a safe work environment. The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by the use of this material. It is the responsibility of the user to comply with all applicable laws and regulations applicable to this material.



