

56576-20

2/29/2012

1 of 4



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

OFFICE OF CHEMICAL, SAFETY  
AND POLLUTION PREVENTION

Chem One LTD.  
c/o Irene Boone  
17220 Westview Rd  
Lake Oswego, OR 97034

FEB 29 2012

Subject: Copper Sulfate Crystals MUP – Label and CSF Amendment  
EPA Registration No. 56576-20  
Decision No. 460446  
Submission Date: 1/4/12

Dear Ms Boone:

The basic and alternate Confidential Statements of Formula #1 and #2 (CSF) dated 1/4/12 referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act as amended are acceptable. These CSFs supersede all CSFs previously accepted for this product.

The labeling referred to above, submitted under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended to correct the EPA Registration Number from 56567-2 to 56576-20 is acceptable provided you make the following change:

1. Pg 2 – In the Storage and Disposal section, delete the third sentence of the Container Disposal statement, "Offer for recycling, if available." This statement already appears later in the statement in its correct position.

A stamped copy is enclosed for your records. Please submit one (1) final printed copy for the above mentioned label before releasing the product for shipment. If you have any questions, please contact Dominic Schuler at (703) 347-0260 or via email at [schuler.dominic@epa.gov](mailto:schuler.dominic@epa.gov).

Sincerely,

Tony Kish  
Product Manager 22  
Fungicide Branch  
Registration Division (7504P)



20f4

**50 LBS. NET WEIGHT (22.68 KILOS)  
 COPPER SULFATE CRYSTALS MUP**

<b>ACTIVE INGREDIENT</b>	<b>BY WEIGHT</b>
COPPER SULFATE PENTAHYDRATE.....	99.0%
OTHER INGREDIENTS.....	1.0%
TOTAL .....	100.0%

CAS #7758-99-8  
 COPPER AS METALLIC EQUIVALENT TO 25.1%

For manufacturing, repacking, formulation of algaeicides and fungicides.  
 For non-pesticide manufacturing and industrial uses.

For use as a fertilizer trace mineral for plant growth and used in accord with recommended agronomic practices.

For the states of California, Oregon and Washington fertilizer use: Information regarding the contents and levels of metals in this product is available on the internet at <http://www.aapfco.org.metals.htm>.

When this product is used as a fertilizer ingredient: Guaranteed Analysis: Copper (Cu) = 25.0% Derived from Copper Sulfate

Note: Each formulator using this product to formulate an end use pesticide product is responsible for obtaining an EPA registration for their end use product

KEEP OUT OF REACH OF CHILDREN  
**DANGER - PELIGRO**

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.  
 (If you do not understand the label, find someone to explain it to you in detail.)

**ACCEPTED  
 with COMMENTS  
 In EPA Letter Dated**

**FEB 29 2012**

**Under the Federal Insecticide,  
 Fungicide, and Rodenticide Act  
 as amended, for the pesticide  
 registered under EPA Reg. No.**

58576-20

FIRST AID	
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 to rinse eye. Call a poison control center or doctor for treatment advice.
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 the poison control center or doctor. Do not give anything by mouth to an unconscious person.
If on skin or clothing:	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
If inhaled:	Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth to mouth, if possible. Call a poison control center or doctor for further treatment advice.
Notes:	Have the product container or label with you when calling a poison control center or doctor, or going for treatment. In the event of a medical emergency, you may also contact the National Pesticide Information Center at 1-800-858-7378 available 6:30 AM to 4:30 PM PST daily except holidays.
NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage. Product causes eye irritation	

**CHEM ONE LTD.** →

This product manufactured for  
 CHEM ONE LTD.  
 HOUSTON, TEXAS 77041-1104  
 TEL. (713) 896-9966

EPA REG. NO. 56576-20  
 EPA EST. NO. 52117-MX-001  
 01-04-2012



PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS  
**DANGER - PELIGRO**

**CORROSIVE:** Causes irreversible eye damage and causes skin irritation. May be fatal if swallowed. Harmful if absorbed through the skin or inhaled. Do not get in eyes, on skin or on clothing. Do not breathe dust or spray mist. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wear protective eyewear such as safety glasses, goggles, or face shield and chemical resistant gloves.

**PERSONAL PROTECTIVE EQUIPMENT**

Some materials that are chemical-resistant to this product are polyvinyl chloride, nitrile rubber, or butyl rubber. If you want more options, follow the instructions for category A on an EPA chemical resistance category selection chart. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

**USER SAFETY RECOMMENDATIONS:**

Users should: Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

**STORAGE AND DISPOSAL**

Do not contaminate water, food or feed by storage or disposal. Open burning and dumping is prohibited.

**PESTICIDE STORAGE:** Keep pesticide in original container. Do not put concentrate or dilutions of concentrate in food or drink containers.

**PESTICIDE DISPOSAL:** Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

**CONTAINER DISPOSAL:** Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Completely empty bag into application equipment by shaking and tapping sides and bottom to loosen clinging particles. If not emptied in this manner, the bag may be considered an acute hazardous waste and must be disposed in accordance with local, state and federal regulations. When empty, dispose of empty bag in a sanitary landfill or by incineration, or offer for recycling if available. Do not burned, unless allowed by state or local ordinances. If burned, stay out of smoke.

**DIRECTIONS FOR USE**

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the State or Tribal agency responsible for pesticide regulation.

**FORMULATION OF PESTICIDES:** Only for formulation into fungicides and algacides for the following uses:

Algae and aquatic weed control in impounded waters, lakes, reservoirs, ponds, irrigation conveyance systems.

Algae and tadpole shrimp in rice fields (domestic and wild).

Root control in sewer systems.

Schistosome - infected fresh water snails.



For use in formulating fungicides for use on the following crops:

CITRUS: Lemon, Orange, Grapefruit

FIELD CROPS: Potato

TREE CROPS: Almond, Apple, Apricot, Cherry, Nectarine, Olive, Peach, Plum, Prune, Walnut

VINE: Grape

BULBS: Easter Lilly, Tulip, Gladiolus

CANE BERRIES

BLUEBERRIES

NOTE: This product may be used to formulate products for specific use(s) not listed on the MUP label if the formulator, user group, or grower has complied with U. S. EPA submission requirements regarding support of such use(s).

Also be intended for non-pesticide manufacturing and Industrial uses.

**ENVIRONMENTAL HAZARDS**

This pesticide is toxic to fish and aquatic invertebrates. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA. Do not contaminate water when disposing of equipment washwaters or rinsate.

**WARRANTY STATEMENT**

NOTICE: CHEM ONE LTD. warrants that this product conforms to the chemical description on the label thereof and is reasonably fit for purposes stated on such label only when used in accordance with directions under normal use conditions. It is impossible to eliminate all risks inherently associated with use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of CHEM ONE LTD. To the extent consistent with applicable law, CHEM ONE LTD. shall not be liable for consequential, special or indirect damages resulting from the use or handling of this product. To the extent consistent with applicable law, all such risks shall be assumed by the Buyer. To the extent consistent with applicable law exclusive remedy of any buyer or user of this product for any and all losses, injuries, or damages resulting from or in any way arising from the use, handling or application of this product, whether in contract, warranty, tort, negligence, strict liability or otherwise, shall not exceed the purchase price paid for this product or at CHEM ONE LTD.'s election, the replacement of this product. CHEM ONE LTD. MAKES NO WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.

**CHEM ONE LTD.**  
14140 Westfair East Drive  
HOUSTON, TEXAS 77041  
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**ENVIRONMENTALLY HAZARDOUS SUBSTANCES**  
SOLID, N.O.S. (CUPRIC SULFATE) UN3077, RQ

