

GUIDE TO DRUG, VACCINE, AND PESTICIDE USE IN AQUACULTURE (January 2004)**Appendix B - Table 4. EPA-Registered Invertebrate Toxicants (Crustaceans, Insects, Leeches, and Molluscs)****Part 1: Federally Registered Products under FIFRA, Section 3****ACTIVE INGREDIENT:****Copper Sulfate (Anhydrous)**

PRODUCT NAME:	Copper-Z 4/4 Algicide/Herbicide
EPA REGISTRATION #:	005905-00486
TYPE:	Invertebrate Toxicant, Algicide
COMMON NAME A.I.:	Copper Sulfate (Anhydrous)
REGISTRANT:	Helena Chemical Co.
RESTRICTED USE?:	No
USE SITES:	Lakes (Water Treatment) Ponds (Water Treatment)
TARGET PESTS:	Tadpole Shrimp, Anabaena, Anacystis, Ankistrodesmus, Aphanizomenon, Chara, Chlorella, Cladophora, Hydrodictyon, Microspora, Nitella, Oscillatoria, Pithophora, Spirogyra, Volvox, Zygnema

ACTIVE INGREDIENT:**Copper Sulfate Pentahydrate**

PRODUCT NAME:	Blue Viking Copper Sulfate Instant
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EPA REGISTRATION #:	001812-00313
TYPE:	Invertebrate Toxicant, Algicide
COMMON NAME A.I.:	Copper Sulfate Pentahydrate
REGISTRANT:	Griffin L.L.C.
RESTRICTED USE?:	No
USE SITES:	Fish Hatcheries Fish Ponds (Water Treatment) Lakes (Water Treatment) Ponds (Farm) (Water Treatment) Ponds (Water Treatment)
TARGET PESTS:	Tadpole Shrimp, Filamentous Algae, Planktonic Algae

PRODUCT NAME:	Blue Viking Star Glow Powder
EPA REGISTRATION #:	001812-00314
TYPE:	Invertebrate Toxicant, Algicide
COMMON NAME A.I.:	Copper Sulfate Pentahydrate
REGISTRANT:	Griffin L.L C.
RESTRICTED USE?:	No
USE SITES:	Lakes (Water Treatment) Ponds (Water Treatment)
TARGET PESTS:	Tadpole Shrimp, Filamentous Algae, Planktonic Algae

PRODUCT NAME:	Copper Sulfate Coarse Crystals
EPA REGISTRATION #:	046923-00004
TYPE:	Invertebrate Toxicant, Algicide

COMMON NAME A.I.:	Copper Sulfate Pentahydrate
REGISTRANT:	Old Bridge Chemical Co.
RESTRICTED USE?:	No
USE SITES:	Lakes (Water Treatment) Ponds (Water Treatment)
TARGET PESTS:	Tadpole Shrimp, Algae, Anabaena, Anacystis, Ankistrodesmus, Aphanizomenon, Chara, Chlorella, Cladophora, Hydrodictyon, Microspora, Nitella, Oscillatoria, Pithophora, Spirogyra, Volvox, Zygnema

PRODUCT NAME:	Copper Sulfate Crystals
EPA REGISTRATION #:	056576-00001
TYPE:	Invertebrate Toxicant, Algicide
COMMON NAME A.I.:	Copper Sulfate Pentahydrate
REGISTRANT:	Chem One Ltd.
RESTRICTED USE?:	No
USE SITES:	Lakes (Water Treatment) Ponds (Water Treatment)
TARGET PESTS:	Fresh Water Snails, Tadpole Shrimp, Anabaena, Anacystis, Ankistrodesmus, Aphanizomenon, Chara, Chlorella, Cladophora, Hydrodictyon, Microspora, Nitella, Oscillatoria, Pithophora, Spirogyra, Volvox, Zygnema

PRODUCT NAME:	Copper Sulfate Pentahydrate
EPA REGISTRATION #:	073020-00002
TYPE:	Invertebrate Toxicant, Algicide
COMMON NAME A.I.:	Copper Sulfate Pentahydrate
REGISTRANT:	Emron Corporation

RESTRICTED USE?:	No
USE SITES:	Lakes (Water Treatment) Ponds (Water Treatment)
TARGET PESTS:	Tadpole Shrimp, Algae, Blue-green Algae, Green Algae

PRODUCT NAME:	Copper Sulfate Pentahydrate Algicide/Herbicide
EPA REGISTRATION #:	035896-00019
TYPE:	Invertebrate Toxicant, Algicide
COMMON NAME A.I.:	Copper Sulfate Pentahydrate
REGISTRANT:	Phibro-Tech Inc
RESTRICTED USE?:	No
USE SITES:	Lakes (Water Treatment) Ponds (Farm) (Water Treatment) Ponds (Water Treatment)
TARGET PESTS:	Algae, Chara, Filamentous Algae, Leeches, Nitella, Planktonic Algae

PRODUCT NAME:	Copper Sulphate Superfine Crystals (+35 Mesh +O 100 Mesh)
EPA REGISTRATION #:	042414-00003
TYPE:	Invertebrate Toxicant, Algicide
COMMON NAME A.I.:	Copper Sulfate Pentahydrate
REGISTRANT:	Teck Cominco American Inc.
RESTRICTED USE?:	No
USE SITES:	Lakes (Water Treatment) Ponds (Water Treatment)
TARGET PESTS:	Tadpole Shrimp, Anabaena, Anacystis, Ankistrodesmus,

Aphanizomenon, Blue-green Algae, Chara, Chlorella, Cladophora, Green Algae, Hydrodictyon, Microspora, Nitella, Oscillatoria, Pithophora, Spirogyra, Volvox, Zygnema

PRODUCT NAME:	Copper-Z 6/2 Granular Algicide
EPA REGISTRATION #:	005905-00524
TYPE:	Invertebrate Toxicant, Algicide
COMMON NAME A.I.:	Copper Sulfate Pentahydrate
REGISTRANT:	Helena Chemical Co
RESTRICTED USE?:	No
USE SITES:	Lakes (Water Treatment) Ponds (Water Treatment)
TARGET PESTS:	Tadpole Shrimp, Algae, Anabaena, Anacystis, Ankistrodesmus, Aphanizomenon, Blue-green Algae, Chara, Chlorella, Cladophora, Filamentous Algae, Green Algae, Hydrodictyon, Microspora, Nitella, Oscillatoria, Pithophora, Planktonic Algae, Spirogyra, Volvox, Zygnema

PRODUCT NAME:	Drexel Copper Sulfate Crystal
EPA REGISTRATION #:	019713-00407
TYPE:	Invertebrate Toxicant, Algicide
COMMON NAME A.I.:	Copper Sulfate Pentahydrate
REGISTRANT:	Drexel Chemical Co
RESTRICTED USE?:	No
USE SITES:	Lakes (Water Treatment) Ponds (Water Treatment)

TARGET PESTS:	Tadpole Shrimp, Algae, Anabaena, Anacystis, Ankistrodesmus, Aphanizomenon, Blue-green Algae, Chara, Chlorella, Cladophora, Green Algae, Hydrodictyon, Microspora, Nitella, Oscillatoria, Pithophora, Spirogyra, Zygnema
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PRODUCT NAME:	Kocide Copper Sulfate Pentahydrate Crystals
EPA REGISTRATION #:	001812-00304
TYPE:	Invertebrate Toxicant, Algicide
COMMON NAME A.I.:	Copper sulfate pentahydrate
REGISTRANT:	Griffin L.L.C.
RESTRICTED USE?:	No
USE SITES:	Lakes (Slow Flowing) (Water Treatment) Lakes (Standing) (Water Treatment) Ponds (Slow Flowing) (Water Treatment) Ponds (Standing) (Water Treatment)
TARGET PESTS:	Tadpole Shrimp, Anabaena, Anacystis, Ankistrodesmus, Aphanizomenon, Chara, Chlorella, Cladophora, Hydrodictyon, Microspora, Nitella, Oscillatoria, Pithophora, Spirogyra, Volvox, Zygnema

PRODUCT NAME:	Triangle Brand Copper Sulfate Crystal
EPA REGISTRATION #:	001278-00008
TYPE:	Invertebrate Toxicant, Algicide
COMMON NAME A.I.:	Copper Sulfate Pentahydrate
REGISTRANT:	Phelps Dodge Refining Corporation
RESTRICTED USE?:	No
USE SITES:	Lakes (Water Treatment) Ponds (Water Treatment)

TARGET PESTS:	Tadpole Shrimp, Anabaena, Anacystis, Ankistrodesmus, Aphanizomenon, Blue-green Algae, Chara, Green Algae, Chlorella, Cladophora, Hydrodictyon, Microspora, Nitella, Oscillatoria, Spirogyra, Zygnema
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ACTIVE INGREDIENT:**Diflubenzuron (ANSI)**

PRODUCT NAME:	Dimilin 25W For Cotton/Soybean
EPA REGISTRATION #:	000400-00465
TYPE:	Invertebrate Toxicant
COMMON NAME A.I.:	Diflubenzuron (Ansi)
REGISTRANT:	Uniroyal Chemical Co Inc
RESTRICTED USE?:	No
USE SITES:	Commercial Fishery Water Systems (Water Treatment)
TARGET PESTS:	Anchorworm