

# ***Chem-Impex International Inc.***

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## **SAFETY DATA SHEET**

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### **SECTION 1. CHEMICAL IDENTIFICATION**

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|                                 |                                                     |
|---------------------------------|-----------------------------------------------------|
| CATALOG #:                      | 30687                                               |
| NAME:                           | Copper (II) chloride anhydrous                      |
| SYNONYMS:                       |                                                     |
| 24 HOUR EMERGENCY<br>TELEPHONE: | (800) 535-5053(USA)<br>352-323-3500 (INTERNATIONAL) |
| TO REQUEST AN MSDS:             | (800) 869-9290                                      |
| CUSTOMER<br>SERVICE:            | (630) 766-2112                                      |

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### **SECTION 2. HAZARDS IDENTIFICATION**

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#### **CLASSIFICATION OF THE SUBSTANCE OR MIXTURE**

##### **GHS CLASSIFICATION IN ACCORDANCE WITH 29 CFR 1910 (OSHA HCS)**

ACUTE TOXICITY, ORAL (CATEGORY 4), H302  
ACUTE TOXICITY, DERMAL (CATEGORY 4), H312  
SKIN IRRITATION (CATEGORY 2), H315  
SERIOUS EYE DAMAGE (CATEGORY 1), H318  
ACUTE AQUATIC TOXICITY (CATEGORY 1), H400

CHRONIC AQUATIC TOXICITY (CATEGORY 2), H411  
FOR THE FULL TEXT OF THE H-STATEMENTS MENTIONED IN THIS SECTION, SEE  
SECTION 16.

**GHS LABEL ELEMENTS, INCLUDING PRECAUTIONARY STATEMENTS  
PICTOGRAM**



**SIGNAL WORD** DANGER

**HAZARD STATEMENT(S)**

|             |                                                       |
|-------------|-------------------------------------------------------|
| H302 + H312 | HARMFUL IF SWALLOWED OR IN CONTACT WITH SKIN          |
| H315        | CAUSES SKIN IRRITATION.                               |
| H318        | CAUSES SERIOUS EYE DAMAGE.                            |
| H400        | VERY TOXIC TO AQUATIC LIFE                            |
| H411        | VERY TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS. |

**PRECAUTIONARY STATEMENT(S)**

|                           |                                                                                                                                                                           |
|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| P264                      | WASH SKIN THOROUGHLY AFTER HANDLING.                                                                                                                                      |
| P270                      | DO NOT EAT, DRINK OR SMOKE WHEN USING THIS PRODUCT.                                                                                                                       |
| P273                      | AVOID RELEASE TO THE ENVIRONMENT.                                                                                                                                         |
| P280                      | WEAR EYE PROTECTION/ FACE PROTECTION                                                                                                                                      |
| P281                      | WEAR PROTECTIVE GLOVES/ PROTECTIVE CLOTHING                                                                                                                               |
| P301 + P312 + P330        | IF SWALLOWED: CALL A POISON CENTER OR DOCTOR/ PHYSICIAN IF YOU FEEL UNWELL. RINSE MOUTH.                                                                                  |
| P302 + P352               | IF ON SKIN: WASH WITH PLENTY OF SOAP AND WATER.                                                                                                                           |
| P302 + P352 + P312        | IF ON SKIN: WASH WITH PLENTY OF SOAP AND WATER. CALL A POISON CENTER OR DOCTOR/ PHYSICIAN IF YOU FEEL UNWELL.                                                             |
| P305 + P351 + P338 + P310 | IF IN EYES: RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES, IF PRESENT AND EASY TO DO. CONTINUE RINSING. IMMEDIATELY CALL A POISON CENTER/DOCTOR. |
| P332 + P313               | IF SKIN IRRITATION OCCURS: GET MEDICAL ADVICE/ ATTENTION.                                                                                                                 |
| P362                      | TAKE OFF CONTAMINATED CLOTHING AND WASH BEFORE REUSE.                                                                                                                     |
| P391                      | COLLECT SPILLAGE.                                                                                                                                                         |
| P501                      | DISPOSE OF CONTENTS/ CONTAINER TO AN APPROVED WASTE DISPOSAL PLANT.                                                                                                       |

**HAZARDS NOT  
OTHERWISE  
CLASSIFIED (HNOC)  
OR NOT COVERED  
BY GHS** NONE

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**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

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MF: CuCl<sub>2</sub>

MW: 134.45

CAS-NO. 7447-39-4

PURITY: 46.5 - 48.0 (Assay as Cu)

**HAZARDOUS COMPONENTS**

| COMPONENT                      | CLASSIFICATION                                                                                                            | CONCENTRATION |
|--------------------------------|---------------------------------------------------------------------------------------------------------------------------|---------------|
| Copper (II) chloride anhydrous |                                                                                                                           |               |
|                                | ACUTE TOX. 4; SKIN IRRIT. 2;<br>EYE DAM. 1; AQUATIC ACUTE<br>1; AQUATIC CHRONIC 2; H302<br>+ H312, H315, H318, H400, H411 | <= 100 %      |

FOR THE FULL TEXT OF THE H-STATEMENTS MENTIONED IN THIS SECTION, SEE SECTION 16.

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**SECTION 4. FIRST-AID MEASURES**

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**DESCRIPTION OF FIRST AID MEASURES**

|                                                                    |                                                                                                                     |
|--------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|
| <b>GENERAL ADVICE</b>                                              | MOVE OUT OF DANGEROUS AREA. CONSULT A PHYSICIAN. SHOW THIS SAFETY DATA SHEET TO THE DOCTOR IN ATTENDANCE.           |
| <b>IF INHALED</b>                                                  | IF BREATHED IN, MOVE PERSON INTO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. CONSULT A PHYSICIAN.     |
| <b>IN CASE OF SKIN CONTACT</b>                                     | WASH OFF WITH SOAP AND PLENTY OF WATER. CONSULT A PHYSICIAN.                                                        |
| <b>IN CASE OF EYE CONTACT</b>                                      | RINSE THOROUGHLY WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES AND CONSULT A PHYSICIAN.                              |
| <b>IF SWALLOWED</b>                                                | NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. RINSE MOUTH WITH WATER. CONSULT A PHYSICIAN.                 |
| <b>MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED</b> | THE MOST IMPORTANT KNOWN SYMPTOMS AND EFFECTS ARE DESCRIBED IN THE LABELLING (SEE SECTION 2.2) AND/OR IN SECTION 11 |

**INDICATION OF ANY  
IMMEDIATE MEDICAL  
ATTENTION AND  
SPECIAL TREATMENT  
NEEDED**

NO DATA AVAILABLE

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## **SECTION 5. FIRE AND EXPLOSION DATA**

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### **EXTINGUISHING MEDIA**

**SUITABLE  
EXTINGUISHING MEDIA**

USE WATER SPRAY, ALCOHOL-RESISTANT FOAM, DRY  
CHEMICAL OR CARBON DIOXIDE.

**SPECIAL HAZARDS  
ARISING FROM THE  
SUBSTANCE OR  
MIXTURE**

NO DATA AVAILABLE

**ADVICE FOR  
FIREFIGHTERS**

WEAR SELF CONTAINED BREATHING APPARATUS FOR  
FIRE FIGHTING IF NECESSARY.

**FURTHER INFORMATION**

NO DATA AVAILABLE

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## **SECTION 6. ACCIDENTAL RELEASE MEASURES**

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**PERSONAL  
PRECAUTIONS,  
PROTECTIVE  
EQUIPMENT AND  
EMERGENCY  
PROCEDURES**

USE PERSONAL PROTECTIVE EQUIPMENT. AVOID  
DUST FORMATION. AVOID BREATHING VAPOURS, MIST  
OR GAS. ENSURE ADEQUATE VENTILATION.  
EVACUATE PERSONNEL TO SAFE AREAS. AVOID  
BREATHING DUST.

FOR PERSONAL PROTECTION SEE SECTION 8.

**ENVIRONMENTAL  
PRECAUTIONS**

PREVENT FURTHER LEAKAGE OR SPILLAGE IF SAFE  
TO DO SO. DO NOT LET PRODUCT ENTER DRAINS.  
DISCHARGE INTO THE ENVIRONMENT MUST BE  
AVOIDED.

**METHODS AND  
MATERIALS FOR  
CONTAINMENT AND  
CLEANING UP**

PICK UP AND ARRANGE DISPOSAL WITHOUT  
CREATING DUST. SWEEP UP AND SHOVEL. KEEP IN  
SUITABLE, CLOSED CONTAINERS FOR DISPOSAL

**REFERENCE TO OTHER  
SECTIONS**

FOR DISPOSAL SEE SECTION 13.

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## SECTION 7. HANDLING AND STORAGE

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### PRECAUTIONS FOR SAFE HANDLING

FURTHER PROCESSING OF SOLID MATERIALS MAY RESULT IN THE FORMATION OF COMBUSTIBLE DUSTS. THE POTENTIAL FOR COMBUSTIBLE DUST FORMATION SHOULD BE TAKEN INTO CONSIDERATION BEFORE ADDITIONAL PROCESSING OCCURS. AVOID CONTACT WITH SKIN AND EYES. AVOID FORMATION OF DUST AND AEROSOLS. PROVIDE APPROPRIATE EXHAUST VENTILATION AT PLACES WHERE DUST IS FORMED.

FOR PRECAUTIONS SEE SECTION 2.2.

### CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

KEEP CONTAINER TIGHTLY CLOSED IN A DRY AND WELL-VENTILATED PLACE.

HYGROSCOPIC. STORE UNDER INERT GAS. KEEP IN A DRY PLACE.

STORAGE CLASS (TRGS 510): NON COMBUSTIBLE SOLIDS

### SPECIFIC END USE(S)

APART FROM THE USES MENTIONED IN SECTION 1.2 NO OTHER SPECIFIC USES ARE STIPULATED

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## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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### CONTROL PARAMETERS

#### COMPONENTS WITH WORKPLACE CONTROL PARAMETERS

| COMPONENT                      | CAS-NO.   | VALUE | CONTROL PARAMETERS | BASIS                                  |
|--------------------------------|-----------|-------|--------------------|----------------------------------------|
| Copper (II) chloride anhydrous | 7447-39-4 | TWA   | 1.000000 MG/M3     | USA. NIOSH RECOMMENDED EXPOSURE LIMITS |
|                                |           | TWA   | 1 MG/M3            | USA. NIOSH RECOMMENDED EXPOSURE LIMITS |

### EXPOSURE CONTROLS

#### APPROPRIATE ENGINEERING CONTROLS

HANDLE IN ACCORDANCE WITH GOOD INDUSTRIAL HYGIENE AND SAFETY PRACTICE. WASH HANDS BEFORE BREAKS AND AT THE END OF WORKDAY.

#### PERSONAL PROTECTIVE EQUIPMENT

|                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>EYE/FACE PROTECTION</b>    | FACE SHIELD AND SAFETY GLASSES USE EQUIPMENT FOR EYE PROTECTION TESTED AND APPROVED UNDER APPROPRIATE GOVERNMENT STANDARDS SUCH AS NIOSH (US) OR EN 166(EU).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>SKIN PROTECTION</b>        | <p>HANDLE WITH GLOVES. GLOVES MUST BE INSPECTED PRIOR TO USE. USE PROPER GLOVE REMOVAL TECHNIQUE (WITHOUT TOUCHING GLOVE'S OUTER SURFACE) TO AVOID SKIN CONTACT WITH THIS PRODUCT. DISPOSE OF CONTAMINATED GLOVES AFTER USE IN ACCORDANCE WITH APPLICABLE LAWS AND GOOD LABORATORY PRACTICES. WASH AND DRY HANDS.</p> <p>FULL CONTACT<br/> MATERIAL: NITRILE RUBBER<br/> MINIMUM LAYER THICKNESS: 0.11 MM<br/> BREAK THROUGH TIME: 480 MIN<br/> MATERIAL TESTED:DERMATRIL (KCL 740, SIZE M)</p> <p>SPLASH CONTACT<br/> MATERIAL: NITRILE RUBBER<br/> MINIMUM LAYER THICKNESS: 0.11 MM<br/> BREAK THROUGH TIME: 480 MIN<br/> MATERIAL TESTED:DERMATRIL(KCL 740, SIZE M)</p> <p>IF USED IN SOLUTION, OR MIXED WITH OTHER SUBSTANCES, AND UNDER CONDITIONS WHICH DIFFER FROM EN 374, CONTACT THE SUPPLIER OF THE CE APPROVED GLOVES. THIS RECOMMENDATION IS ADVISORY ONLY AND MUST BE EVALUATED BY AN INDUSTRIAL HYGIENIST AND SAFETY OFFICER FAMILIAR WITH THE SPECIFIC SITUATION OF ANTICIPATED USE BY OUR CUSTOMERS. IT SHOULD NOT BE CONSTRUED AS OFFERING AN APPROVAL FOR ANY SPECIFIC USE SCENARIO.</p> |
| <b>BODY PROTECTION</b>        | COMPLETE SUIT PROTECTING AGAINST CHEMICALS, THE TYPE OF PROTECTIVE EQUIPMENT MUST BE SELECTED ACCORDING TO THE CONCENTRATION AND AMOUNT OF THE DANGEROUS SUBSTANCE AT THE SPECIFIC WORKPLACE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>RESPIRATORY PROTECTION</b> | WHERE RISK ASSESSMENT SHOWS AIR-PURIFYING RESPIRATORS ARE APPROPRIATE USE A FULL-FACE RESPIRATOR WITH MULTIPURPOSE COMBINATION (US) OR TYPE ABEK (EN 14387) RESPIRATOR CARTRIDGES AS A BACKUP TO ENGINEERING CONTROLS. IF THE RESPIRATOR IS THE SOLE MEANS OF PROTECTION, USE A FULL-FACE SUPPLIED AIR RESPIRATOR. USE RESPIRATORS AND COMPONENTS TESTED AND APPROVED UNDER APPROPRIATE GOVERNMENT STANDARDS SUCH AS NIOSH (US) OR CEN (EU)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

**CONTROL OF  
ENVIRONMENTAL  
EXPOSURE**

PREVENT FURTHER LEAKAGE OR SPILLAGE IF SAFE TO  
DO SO. DO NOT LET PRODUCT ENTER DRAINS.  
DISCHARGE INTO THE ENVIRONMENT MUST BE  
AVOIDED.

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**SECTION 9.      PHYSICAL AND CHEMICAL PROPERTIES**

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**INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES**

|                                            |                                    |
|--------------------------------------------|------------------------------------|
| APPEARANCE                                 | Brownish yellow crystalline powder |
| ODOUR                                      | NO DATA AVAILABLE                  |
| ODOUR THRESHOLD                            | NO DATA AVAILABLE                  |
| PH                                         | NO DATA AVAILABLE                  |
| MELTING                                    | 620 °C                             |
| POINT/FREEZING POINT                       |                                    |
| INITIAL BOILING POINT                      | 993 °C                             |
| AND BOILING RANGE                          |                                    |
| FLASH POINT                                |                                    |
| EVAPORATION RATE                           | NO DATA AVAILABLE                  |
| FLAMMABILITY (SOLID,<br>GAS)               | NO DATA AVAILABLE                  |
| UPPER/LOWER                                | NO DATA AVAILABLE                  |
| FLAMMABILITY OR<br>EXPLOSIVE LIMITS        |                                    |
| VAPOUR PRESSURE                            | NO DATA AVAILABLE                  |
| VAPOUR DENSITY                             | NO DATA AVAILABLE                  |
| RELATIVE DENSITY                           | 3.39                               |
| WATER SOLUBILITY                           | NO DATA AVAILABLE                  |
| PARTITION COEFFICIENT:<br>N- OCTANOL/WATER | NO DATA AVAILABLE                  |
| AUTO-IGNITION                              | NO DATA AVAILABLE                  |
| TEMPERATURE                                |                                    |
| DECOMPOSITION                              | NO DATA AVAILABLE                  |
| TEMPERATURE                                |                                    |
| VISCOSITY                                  | NO DATA AVAILABLE                  |
| EXPLOSIVE PROPERTIES                       | NO DATA AVAILABLE                  |
| OXIDIZING PROPERTIES                       | NO DATA AVAILABLE                  |

**OTHER SAFETY INFORMATION**

NO DATA AVAILABLE

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**SECTION 10.      STABILITY AND REACTIVITY**

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|                           |                                                 |
|---------------------------|-------------------------------------------------|
| <b>REACTIVITY</b>         | NO DATA AVAILABLE                               |
| <b>CHEMICAL STABILITY</b> | STABLE UNDER RECOMMENDED STORAGE<br>CONDITIONS. |

|                                           |                                                                                                                                                                                                      |
|-------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>POSSIBILITY OF HAZARDOUS REACTIONS</b> | NO DATA AVAILABLE                                                                                                                                                                                    |
| <b>CONDITIONS TO AVOID</b>                | NO DATA AVAILABLE                                                                                                                                                                                    |
| <b>INCOMPATIBLE MATERIALS</b>             | STRONG BASES, ALKALI METALS                                                                                                                                                                          |
| <b>HAZARDOUS DECOMPOSITION PRODUCTS</b>   | OTHER DECOMPOSITION PRODUCTS - NO DATA AVAILABLE<br>HAZARDOUS DECOMPOSITION PRODUCTS FORMED UNDER FIRE CONDITIONS. - HYDROGEN CHLORIDE GAS, COPPER OXIDES<br><br>IN THE EVENT OF FIRE: SEE SECTION 5 |

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## SECTION 11. TOXICOLOGICAL INFORMATION

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### INFORMATION ON TOXICOLOGICAL EFFECTS

|                                          |                                                                                                                                                                                                                                                                                                               |
|------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>ACUTE TOXICITY</b>                    | LD50 ORAL - RAT - 584 MG/KG<br>LD50 DERMAL - RAT - MALE - > 2,000 MG/KG<br>(OECD TEST GUIDELINE 402)<br>REMARKS: NO DATA AVAILABLE<br><br>LD50 DERMAL DERMAL - RAT - FEMALE - 1,224 MG/KG<br>(OECD TEST GUIDELINE 402)<br><br>LD50 INTRAVENOUS - RAT - 5 MG/KG<br><br>LD50 INTRAPERITONEAL - RAT - 14.7 MG/KG |
| <b>SKIN CORROSION/IRRITATION</b>         | SKIN - RABBIT<br>RESULT: IRRITATING TO SKIN                                                                                                                                                                                                                                                                   |
| <b>SERIOUS EYE DAMAGE/EYE IRRITATION</b> | EYES - RABBIT<br>RESULT: RISK OF SERIOUS DAMAGE TO EYES.                                                                                                                                                                                                                                                      |
| <b>RESPIRATORY OR SKIN SENSITISATION</b> | MAXIMISATION TEST - GUINEA PIG<br>DOES NOT CAUSE SKIN SENSITISATION.<br>(OECD TEST GUIDELINE 406)                                                                                                                                                                                                             |
| <b>GERM CELL MUTAGENICITY</b>            | NO DATA AVAILABLE                                                                                                                                                                                                                                                                                             |
| <b>CARCINOGENICITY</b><br>IARC:          | NO COMPONENT OF THIS PRODUCT PRESENT AT LEVELS GREATER THAN OR EQUAL TO 0.1% IS IDENTIFIED AS PROBABLE, POSSIBLE OR CONFIRMED HUMAN CARCINOGEN BY IARC.                                                                                                                                                       |

NTP: NO COMPONENT OF THIS PRODUCT PRESENT AT LEVELS GREATER THAN OR EQUAL TO 0.1% IS IDENTIFIED AS A KNOWN OR ANTICIPATED CARCINOGEN BY NTP

OSHA: NO COMPONENT OF THIS PRODUCT PRESENT AT LEVELS GREATER THAN OR EQUAL TO 0.1% IS IDENTIFIED AS A CARCINOGEN OR POTENTIAL CARCINOGEN BY OSHA.

**REPRODUCTIVE TOXICITY** NO DATA AVAILABLE

**SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE** NO DATA AVAILABLE

**SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE** NO DATA AVAILABLE

**ASPIRATION HAZARD** NO DATA AVAILABLE

**ADDITIONAL INFORMATION** RTECS: GL7000000

SYMPTOMS OF SYSTEMIC COPPER POISONING MAY INCLUDE: CAPILLARY DAMAGE, HEADACHE, COLD SWEAT, WEAK PULSE, AND KIDNEY AND LIVER DAMAGE, CENTRAL NERVOUS SYSTEM EXCITATION FOLLOWED BY DEPRESSION, JAUNDICE, CONVULSIONS, PARALYSIS, AND COMA. DEATH MAY OCCUR FROM SHOCK OR RENAL FAILURE. CHRONIC COPPER POISONING IS TYPIFIED BY HEPATIC CIRRHOSIS, BRAIN DAMAGE AND DEMYELINATION, KIDNEY DEFECTS, AND COPPER DEPOSITION IN THE CORNEA AS EXEMPLIFIED BY HUMANS WITH WILSON'S DISEASE. IT HAS ALSO BEEN REPORTED THAT COPPER POISONING HAS LEAD TO HEMOLYTIC ANEMIA AND ACCELERATES ARTERIOSCLEROSIS., GASTROINTESTINAL DISTURBANCE, LOWERED BLOOD PRESSURE, DEPENDING ON THE INTENSITY AND DURATION OF EXPOSURE, EFFECTS MAY VARY FROM MILD IRRITATION TO SEVERE DESTRUCTION OF TISSUE., TO THE BEST OF OUR KNOWLEDGE, THE CHEMICAL, PHYSICAL, AND TOXICOLOGICAL PROPERTIES HAVE NOT BEEN THOROUGHLY INVESTIGATED.

STOMACH - IRREGULARITIES - BASED ON HUMAN EVIDENCE

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**SECTION 12. ECOLOGICAL INFORMATION**

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**TOXICITY**

TOXICITY TO FISH MORTALITY LC50 - CYPRINUS CARPIO (CARP) - 0.12 - 0.23 MG/L - 96.0 H

TOXICITY TO DAPHNIA AND OTHER AQUATIC INVERTEBRATES IMMOBILIZATION EC50 - DAPHNIA MAGNA (WATER FLEA) - 0.04 MG/L - 48 H

NOEC - DREISSENA POLYMORPHA (ZEBRA MUSSEL) - 0.013 MG/L - 63 D

TOXICITY TO ALGAE EC50 - CHLORELLA VULGARIS (FRESH WATER ALGAE) - 0.2 MG/L - 96 H

**PERSISTENCE AND DEGRADABILITY**

THE METHODS FOR DETERMINING THE BIOLOGICAL DEGRADABILITY ARE NOT APPLICABLE TO INORGANIC SUBSTANCES

**BIOACCUMULATIVE POTENTIAL**

NO DATA AVAILABLE

**MOBILITY IN SOIL**

NO DATA AVAILABLE

**RESULTS OF PBT AND VPVB ASSESSMENT**

PBT/V PVB ASSESSMENT NOT AVAILABLE AS CHEMICAL SAFETY ASSESSMENT NOT REQUIRED/NOT CONDUCTED

**OTHER ADVERSE EFFECTS**

AN ENVIRONMENTAL HAZARD CANNOT BE EXCLUDED IN THE EVENT OF UNPROFESSIONAL HANDLING OR DISPOSAL. VERY TOXIC TO AQUATIC LIFE.

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**SECTION 13. DISPOSAL CONSIDERATIONS**

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**WASTE TREATMENT METHODS****PRODUCT**

OFFER SURPLUS AND NON-RECYCLABLE SOLUTIONS TO A LICENSED DISPOSAL COMPANY.

**CONTAMINATED PACKAGING**

DISPOSE OF AS UNUSED PRODUCT.

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**SECTION 14. TRANSPORT INFORMATION**

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**DOT (US)**

PROPER SHIPPING NAME: Copper (II) chloride anhydrous

UN NUMBER: 2802  
CLASS: 8  
PACKING GROUP: III  
REPORTABLE QUANTITY  
(RQ): 10 LBS  
POISON INHALATION HAZARD: NO

**IMDG**

PROPER SHIPPING NAME: Copper (II) chloride anhydrous  
UN NUMBER: 2802  
CLASS: 8  
PACKING GROUP: III  
EMS-NO: F-A, S-B  
MARINE POLLUTANT: YES

**IATA**

PROPER SHIPPING NAME: Copper (II) chloride anhydrous  
UN NUMBER: 2802  
CLASS: 8  
PACKING GROUP: III

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**SECTION 15. REGULATORY INFORMATION**

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**SARA 302 COMPONENTS** SARA 302: NO CHEMICALS IN THIS MATERIAL ARE SUBJECT TO THE REPORTING REQUIREMENTS OF SARA TITLE III, SECTION 302.

**SARA 313 COMPONENTS**

SARA 302: THE FOLLOWING COMPONENTS ARE SUBJECT TO REPORTING LEVELS ESTABLISHED BY SARA TITLE III, SECTION 313:

|                                | CAS-NO.   | REVISION DATE |
|--------------------------------|-----------|---------------|
| Copper (II) chloride anhydrous | 7447-39-4 | 04/24/1993    |

**SARA 311/312 HAZARDS** ACUTE HEALTH HAZARD, CHRONIC HEALTH HAZARD

**MASSACHUSETTS RIGHT TO KNOW COMPONENTS**

|                                | CAS-NO.   | REVISION DATE |
|--------------------------------|-----------|---------------|
| Copper (II) chloride anhydrous | 7447-39-4 | 04/24/1993    |

**PENNSYLVANIA RIGHT TO KNOW COMPONENTS**

|                                | CAS-NO.   | REVISION DATE |
|--------------------------------|-----------|---------------|
| Copper (II) chloride anhydrous | 7447-39-4 | 04/24/1993    |

**NEW JERSEY RIGHT TO KNOW COMPONENTS**

|                                | CAS-NO.   | REVISION DATE |
|--------------------------------|-----------|---------------|
| Copper (II) chloride anhydrous | 7447-39-4 | 04/24/1993    |

**CALIFORNIA PROP. 65 COMPONENTS**

THIS PRODUCT DOES NOT CONTAIN ANY CHEMICALS KNOWN TO STATE OF CALIFORNIA TO CAUSE CANCER, BIRTH DEFECTS, OR ANY OTHER REPRODUCTIVE HARM.

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## SECTION 16. OTHER INFORMATION

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### FULL TEXT OF H-STATEMENTS REFERRED TO UNDER SECTIONS 2 AND 3.

|                 |                                              |
|-----------------|----------------------------------------------|
| ACUTE TOX       | ACUTE TOXICITY                               |
| AQUATIC ACUTE   | ACUTE AQUATIC TOXICITY                       |
| AQUATIC CHRONIC | CHRONIC AQUATIC TOXICITY                     |
| EYE DAM.        | SERIOUS EYE DAMAGE                           |
| H302            | HARMFUL IF SWALLOWED.                        |
| H302 + H312     | HARMFUL IF SWALLOWED OR IN CONTACT WITH SKIN |
| H312            | HARMFUL IN CONTACT WITH SKIN.                |
| H315            | CAUSES SKIN IRRITATION.                      |
| H318            | CAUSES SERIOUS EYE DAMAGE.                   |
| H400            | VERY TOXIC TO AQUATIC LIFE.                  |

### HMIS RATING

|                        |   |
|------------------------|---|
| HEALTH HAZARD:         | 1 |
| CHRONIC HEALTH HAZARD: | * |
| FLAMMABILITY:          | 0 |
| PHYSICAL HAZARD        | 0 |

### NFPA RATING

|                    |   |
|--------------------|---|
| HEALTH HAZARD:     | 1 |
| FIRE HAZARD:       | 0 |
| REACTIVITY HAZARD: | 0 |

### MSDS LEGEND

|        |                                                           |
|--------|-----------------------------------------------------------|
| MW:    | MOLECULAR WEIGHT                                          |
| MF:    | MOLECULAR FORMULA                                         |
| VOC:   | VOLATILE ORGANIC COMPOUNDS                                |
| ACGIH: | AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS |
| CAS:   | CHEMICAL ABSTRACTS SERVICE REGISTRY NUMBER                |
| OSHA:  | OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION             |
| PEL:   | PERMISSIBLE EXPOSURE LIMIT (OSHA)                         |
| TLV:   | THRESHOLD LIMIT VALUE (ACGIH)                             |

### IMPORTANT:

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*DAMAGES, HOWSOEVER ARISING, EVEN IF **CII** HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.*

*VERSION:2.1.*

*REVISION DATE: 08/17/2015*