

GENIUM PUBLISHING CORP -- CUPROUS CYANIDE -- 6810-01-228-3360

===== Product Identification =====

Product ID:CUPROUS CYANIDE

MSDS Date:11/01/1987

FSC:6810

NIIN:01-228-3360

MSDS Number: BTKWG

=== Responsible Party ===

Company Name:GENIUM PUBLISHING CORP

Address:1145 CATALYN ST

City:SCHENECTADY

State:NY

ZIP:12303-1836

Country:US

Info Phone Num:518-377-8854

Emergency Phone Num:518-377-8854

CAGE:5Z768

=== Contractor Identification ===

Company Name:GENIUM PUBLISHING CORPORATION

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===== Composition/Information on Ingredients =====

Ingred Name:COPPER CYANIDE (SARA III)

CAS:544-92-3

RTECS #:GL7150000

Fraction by Wt: CA 100%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:1 MG (CU)/M3

ACGIH TLV:1 MG (CU)/M3; 9394

EPA Rpt Qty:10 LBS

DOT Rpt Qty:10 LBS

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Hazards Identification =====

LD50 LC50 Mixture:LD50 (ORAL RAT) IS UNKNOWN.

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:TARGET ORGANS:CARDIOVASCULAR SYSTEM, CNS, LIVER, KIDNEY, SKIN. ACUTE- AS LITTLE AS A FEW BREATHS OF HCN VAPOR MAY STOP RESPIRATION & CAUSE COLLAPSE. HIGHLY POISONOUS BY INGESTION. STRONGLY ALKALINE & CORROSIVE TO EYES/SKIN. MAY BE ABSORBEDTHROUGH

SKIN. CAUSES EYE/SKIN IRRITATION. CHRONIC- DERMATITIS & SKIN ULCERS.

Explanation of Carcinogenicity:NONE

Effects of Overexposure:EYE AND SKIN IRRITATION, NAUSEA, VOMITING, WEAKNESS, HEADACHE, CONFUSION

Medical Cond Aggravated by Exposure:PRE-EXISTING DISEASES OF THE CENTRAL NERVOUS SYSTEM, KIDNEYS, HEART AND LUNGS

===== First Aid Measures =====

First Aid:GET MEDICAL HELP IMMEDIATELY. EYE:IMMEDIATELY FLUSH WITH WATER FOR 15 MINUTES, HOLDING EYELIDS OPEN. SKIN:FLUSH WITH WATER, THEN WASH SKIN WITH SOAP & WATER. INHALED:REMOVE TO FRESH AIR. GIVE CYANIDE POISONING TREATMENT. ORAL:CALL POISON CONTROL CENTER IMMEDIATELY.

===== Fire Fighting Measures =====

Flash Point:NONE

Extinguishing Media:IF INVOLVED IN FIRE, DO NOT USE CARBON DIOXIDE. CAN RELEASE HIGHLY TOXIC HYDROGEN CYANIDE GAS IF MOISTURE & CO2 PRESENT.

Fire Fighting Procedures:WEAR FULL PROTECTIVE CLOTHING AND NIOSH-AP

PROVED SELF-CONTAINED BREATHING APPARATUS WITH FULL FACEPIECE OPERATED IN THE POSITIVE PRESSURE MODE.

Unusual Fire/Explosion Hazard:WILL NOT BURN. CONTACT WITH ACIDS WILL LIBERATE HIGHLY TOXIC, FLAMMABLE HYDROGEN CYANIDE GAS. USE WATER SPRAY TO FIGHT FIRE AND COOL FIRE-EXPOSED CONTAINERS.

===== Accidental Release Measures =====

Spill Release Procedures:NOTIFY SAFETY PERSONNEL. WEAR PROTECTIVE EQUIPMENTS. VENTILATE AREA. DO NOT ADD ACID. CAREFULLY SWE

EP/VACUUM

UP SMALL SPILL WITHOUT CREATING DUST. DECONTAMINATE TRACE CYANIDE WITH A STRONG SODIUM/CALCIUM HYPOCHLORITE SOLUTION. DO NOT FLUSH TO SEWER.

Neutralizing Agent: SODIUM OR CALCIUM HYPOCHLORITE.

==== Handling and Storage =====

Handling and Storage Precautions: STORE IN A DRY, WELL VENTILATED PLACE AWAY FROM WEAK ALKALIES, ACIDS & OXIDIZERS. KEEP OUT OF REACH OF CHILDREN. PROTECT AGAINST PHYSICAL DAMAGE.

Other Precautions: DANGER. TOXIC. AVOID INHALATION OR INGESTION OF THIS MATERIAL. AVOID EYE OR SKIN CONTACT. AVOID CAUSING AIRBORNE DUST. WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING, DRINKING OR SMOKING. MAINTAIN EMERGENCY FIRST AID CYANIDE ANTIBODY KIT.

==== Exposure Controls/Personal Protection =====

Respiratory Protection: USE NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS OPERATED IN POSITIVE PRESSURE MODE. AVOID BREATHING DUSTS OR VAPORS.

Ventilation: INSTALL AND OPERATE BOTH GENERAL AND LOCAL EXHAUST VENTILATION SYSTEMS TO MAINTAIN AIRBORNE LEVELS BELOW OSHA PEL.

Protective Gloves: RUBBER, BUTYL, NEOPRENE

Eye Protection: DUST-RESISTANT SAFETY GOGGLES

Other Protective Equipment: EYE WASH STATION AND SAFETY SHOWER, WORK CLOTHING AND APRON AS REQUIRED.

Work Hygienic Practices: OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. DO NOT WEAR CONTAMINATED CLOTHING OR FOOTWEAR.

Supplemental Safety and Health

DO NOT WEAR CONTACT LENSES IN WORK AREA. REMOVE AND LAUNDRER

CONTAMINATED CLOTHING BEFORE WEARING IT AGAIN. DO NOT EAT, DRINK OR SMOKE IN ANY IMMEDIATE WORK AREA.

==== Physical/Chemical Properties =====

HCC: T3

NRC/State Lic Num: NOT RELEVANT

Melt/Freeze Pt: M.P/F.P Text: 885F, 474C

Spec Gravity: 2.92

Evaporation Rate & Reference: NOT RELEVANT

Solubility in Water: INSOLUBLE

Appearance and Odor: WHITE TO CREAM COLORED POWDER OR COLORLESS TO DARK GREEN CRYSTALS - ALMOND ODOR

Percent Volatiles

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

ACIDS (LARGE AMOUNTS OF HIGHLY TOXIC, FLAMMABLE HYDROGEN CYANIDE GAS WILL BE EVOLVED) AND STRONG OXIDIZING AGENTS

Stability Condition to Avoid:MOISTURE, EXCESSIVE HEAT,

Hazardous Decomposition Products:POISONOUS HYDROGEN CYANIDE GAS AND NITROGEN OXIDES

===== Disposal Considerations =====

Waste Disposal Methods:CONSIDER RECLAMATION OR RECYCLING. SEND TO

STANDARD CYANIDE TREATMENT SYSTEM OR TO AN EPA APPROVED WASTE TREATMENT AND DISPOSAL FACILITY. FOLLOW ALL LOCAL, STATE AND FEDERAL REGULATIONS. DO NOT LANDFILL. REPORTABLE QUANTITY (RQ) IS 10 POUNDS.

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