

VAN WATERS & ROGERS INC (SUBS OF UNIVAR CORP) -- COPPER CYANIDE -- 6810-01-228-3360

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

Product ID:COPPER CYANIDE

MSDS Date:07/16/1991

FSC:6810

NIIN:01-228-3360

MSDS Number: BYDKS

=== Responsible Party ===

Company Name:VAN WATERS & ROGERS INC (SUBS OF UNIVAR CORP)

Address:6100 CARILLON PT

City:KIRKLAND

State:WA

ZIP:98033

Country:US

Info Phone Num:206-889-3400 (MSDS

COORDINATOR)

Emergency Phone Num:800-424-9300(CHEMTREC)

CAGE:DO735

=== Contractor Identification ===

Company Name:CHEMICAL COMMODITIES AGENCY, INC.

Address:27447 PACIFIC STREET

Box:City:HIGHLAND

State:CA

ZIP:92346-2640

Country:US

Phone:909-864-2310

CAGE:60777

Company Name:VAN WATERS & ROGERS SUBSIDIARY OF UNIVAR

Address:6100 CARILLON POINT

City:KIRKLAND

State:WA

ZIP:98033

Country:US

Phone:425-889-3400

CAGE:DO735

Company Name:VOPAK USA INC

Address:6100 CARILLON POINT

Box:City:KIRKLAND

State:WA

ZI

P:98033-7357

Country:US

Phone:425-889-3400/425-889-3617

CAGE:0STM5

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

Ingred Name:COPPER CYANIDE (SARA 313) (CERCLA) (AS COPPER COMPOUND & AS  
CYANIDE COMPOUND)

CAS:544-92-3

RTECS #:GL7150000

Fraction by Wt: >99%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:1 MG (CU)/M3

ACGIH TLV:1 MG (CU)/M3; 9495

EPA Rpt Qty:10 LBS

DOT Rpt Qty:10 LBS

=====  
===== Hazards Identification =====

LD50 LC50 Mixture:1MG

CYANIDE SALT/KG BODY WT CAN BE FATAL

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

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

Health Hazards Acute and Chronic:INHAL:INHAL OF BUMES OF HCN PRODUCED

ON CONTACT W/ACIDS IS PRIMARY HAZ CAUSING FATAL CYANIDE POIS.VERY

HIGH CONCEN OF CUCN DUST CAUSE POIS.INGEST:CYANIDE POIS,DEATH.1MG

CYANIDE SALT/KG BODY WT CAN BE FATAL.SKIN:IRRIT.NORMAL SKIN

ABSORBS CYANIDE SALTS.CUTS/ABRASIONS ABSORB CYANIDES RAPIDLY,50MG

CYAN

IDE SALT ABSORB(SUPP)

Explanation of Carcinogenicity:PER MSDS:CARCIN:MATL NOT CONSIDERED TO

BE CARC BY NTP/IARC/OSHA.REPORTED EXCESS CANCER CASES FRM CU

SMELTING INDUSTRY.

Effects of Overexposure:INHAL:FATAL CYANIDE POISONING.INGEST:CYANIDE

POISONING,DEATH,SYMPTOMS:SALIVATION,NAU W/O

VOMIT,ANXIETY,CONFUSION,VERTIGO,GIDDINESS,LOWER JAW

STIFFNESS,CONVULSIONS,OPISTHOTONGS,PARALYUSIS,COMA,CARDIAC

ARRHYTHMIAS,RESP STIMULATION FOLLOWED BY RESP

FAILURE.SKIN:IRRIT,ABSORBED

THRU SKIN/CUTS,FATAL.EYE:IRRIT,BURNS.  
Medical Cond Aggravated by Exposure:NONE KNOWN.

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

First Aid:INHAL:REMOVE TO FRESH AIR.NIOT BREATH GIVE ART RESP.GET IMMED  
MED ATTN.IF INHALED ADMINISTER AMYL NITRITE PEARLS AS INGEST  
BELOW.EYE:IMMED FLUSH W/LOTS OF RUNNING WATER FOR 15MINS,LIFTING  
EYELIDS.GET IMMED MED ATTN.INGEST:BREAK AMYL NITRITE PEARL IN  
CLOTH & HOLD LIGHTLY UNDER NOSE FOR 15SECS.REPEAT 5X @ABOUT 15 SEC

INTERVALS.REPEAT AS NECESSARY USING FRESH AMYL NITRITE PEARL EVERY  
3MINS TIL(SUPPL)

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

Extinguishing Media:MATL NOT COMBUSTIBLE.USE ANY APPROPRIATE MEDIUM FOR  
EXT SURROUNDING FIRES.CARBON DIOXIDE FIRE EXT SHOULD NOT BE USED.

Fire Fighting Procedures:FIRE FIGHTER SHOULD WEAR SELF-CONTAINED  
BREATHING APPARATUS.

Unusual Fire/Explosion Hazard:DO NOT FLUSH COPPER CYANIDE INTO RUN-OFF  
WATER.CONTACT W/STRONG ACIDS  
OR WEAK ALKALIS RELEASES HIGHLY  
POISONOUS, FLAMMABLE HCN GAS.

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

Spill Release Procedures:WEAR PROT EQPMT(RUBB BOOTS&GLOVES&APRON/CHEM  
GOGG/RESP PROT)SM:SWEEPUP,DISPOSE IN DOT-APPROVED WASTE  
CNTNR.LG:SHOVEL INTO DOT-APPROVED WASTE CNTNR.FLUSH AREA W/LG QUANT  
OF WATER TAKING CARE NOT TO LET RUNOFF CONTACT STRONG ACIDS.COMPLY  
W/GOVT REGS.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:STORE IN COOL,DRY PLACE.STORE AWAY FRM  
ALL ACIDS,WEAK ALKALIS,STRONG OXIDIZERS.KEEP CNTNR TIGHTLY CLSD  
WHEN NOT IN USE.DO NOT GET IN EYE/SKIN/CLOTH.

Other Precautions:EMPTY CNTNR:ALWAYS OBEY HAZ WARN;HNDLG AS  
FULL.INCOMPAT:CO2 CONTACT W/CYANIDE SOLN LIBERATES HCN GAS. EYES  
PROT:GENERALLY RECOGNIZED THAT CONTACT LENSES SHOULDN'T BE WORN  
WHEN WORKING W/CHEM-THEY MAY CONTRIBUTE TO SEVERITY OF ANY E

YE  
INJURY

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

Respiratory Protection:NIOSH-APPROVED DUST RESPIRATOR OR MASK.  
Ventilation:LOCAL MECHANICAL EXHAUST VENTILATION CAPABLE OF MINIMIZING  
DUST EMISSIONS AT POINT OF USE.  
Protective Gloves:RUBBER GLOVES.  
Eye Protection:NONE SPECIFIED BY MFG (SEE OTHER PRECAU)  
Other Protective Equipment:LONG-SLEEVED SHIRT,TROUSERS,SAFETY  
SHOWES,RUBBER APRON.EYEWASH & SAFETY SHOWER NEARBY/READY FOR USE.  
Work Hygienic Practices:W  
ASH THOROUGHLY AFTER HANDLING.  
Supplemental Safety and Health  
HEALTH HAZ:THRU SKIN FATAL.EYE:IRRIT,BURNS.CHRONIC:SM AMTS OF CYANIDE  
CMPDS EXPO OVER LONG PER CAUSE LOSS OF  
APPETITE,HEAD,WEAK,NAU,DIZZ,RESP/EYE IRRIT.1STAID:3-4 PEARLS HAVE  
BEEN GIVEN.WHEN CONSC RET URNS/IF CONSC GIVE 1 PINT 1% SODIUM  
THIOSULFATE SOLUTION(OR SOAPY OR MUSTARD WATER);INDUCE VOMIT.REPEAT  
TIL VOMIT CLEAR.

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

HCC:T3  
Boiling Pt:B.P. Te  
xt:DECOMPOSES  
Melt/Freeze Pt:M.P/F.P Text:883F,473C  
Spec Gravity:2.92  
Solubility in Water:APPRECIABLE.  
Appearance and Odor:WHITE TO LIGHT TAN FINE POWDER; PUNGENT ODOR.

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

Stability Indicator/Materials to Avoid:YES  
CONTACT W/ACIDS OR WEAK ALKALIS LIBERATE POIS GAS;RXS VIO W/NITRATES &  
OTHER OXIDIZERS.RXS VIO W/MG.(SEE OTHER PRECAUT)  
Stability Condition to Avoid:NONE  
Hazardous Decomposition Products:WILL LIBERATE VERY TOXIC FU  
MES OF  
NITROGEN OXIDES & HYDROGEN CYANIDE.

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

Waste Disposal Methods:DISP OF CONTAMIN PROD/MATLS USED IN CLEANING  
SPILLS/LEAK IN MANNER APPROVED FOR MATL.CONSULT FED/STATE/LOC REG  
AGENCIES TO ASCERTAIN PROPER DISP PROCEDURES.EMPTY CNTNR CAN HAVE  
RESIDUES/GAS/MIST-SUBJ TO PROPER WASTE DISP AS ABOVE.HAS SARA  
SEC313 CHEM

Disclaimer (provided with this information by the compiling agencies):  
This information i

s formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.