

LIQUID DEVELOPMENT CO.,INC. -- LDC-7910 GOLD -- 6850-01-063-4883

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

Product ID:LDC-7910 GOLD

MSDS Date:03/01/1988

FSC:6850

NIIN:01-063-4883

MSDS Number: BSFKD

=== Responsible Party ===

Company Name:LIQUID DEVELOPMENT CO.,INC.

Address:3748 EAST 91ST ST

City:CLEVELAND

State:OH

ZIP:44105

Info Phone Num:216-641-9366

Emergency Phone Num:800-424-9300 CHEMTREC

CAGE:57868

=== Contractor Identification ===

Company Name:LIQUID DEVELOPMENT

CO INC

Address:3748 E 91ST STREET

Box:City:CLEVELAND

State:OH

ZIP:44105-2156

Country:US

Phone:216-641-9366/800-424-9300(CHEMTREC)

CAGE:57868

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

Ingred Name:WATER

CAS:7732-18-5

RTECS #:ZC0110000

Fraction by Wt: 90-100%

Ingred Name:GOLD MONOCYANIDE

CAS:506-65-0

Fraction by Wt: 1-10%

Other REC Limits:11MG/CUM

OSHA PEL:11 MG/M3 (HCN)

ACGIH TLV:10 MG/M3

Ingred Name:ETHYLENEDIAMINE (SARA III)

CAS:107-15-3

RTECS #:KH8575000

Fraction

by Wt: 0-10%
Other REC Limits:25 MG/CUM
OSHA PEL:10 PPM
ACGIH TLV:S, 10 PPM; 9192
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:CONTINUAL SKIN EXPOSURE CAN CAUSE
IRRITATION & CYANIDE ABSORBTION. SLIGHTLY IRRITATION TO EYES.
INHALATION CAN LEAD TO HEADACHE & NAUSEA. INGESTION: CAUS
ES NAUSEA,
VOMITING, LEADING TO UNCONSCIOUSNESS & DEATH.
Explanation of Carcinogenicity:NOT CARCINOGENIC.
Effects of Overexposure:WEAKNESS, HEADACHES, CONFUSION, NAUSEA,
VOMITING, LEADING TO UNCONSCIOUSNESS & DEATH.
Medical Cond Aggravated by Exposure:THOSE AT INCREASED RISK HAVE
HISTORIES OF FAINTING,CARDIOVASCULAR & NERVOUS DISORDERS & THOSE
SUSCEPTIBLE TO THE EFFECTS ANOXIA OR ANEMIA.

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

First Aid:SKIN & EYES
: FLUSH WITH LARGE QUANTITIES OF WATER. REMOVE ANY
CONTAMINATED CLOTHING. SEEK MEDICAL ATTENTION. INHALATION: MOVE TO
FRESH AIR, TREAT WITH AMYL NITRITE PEARLS. SEEK MEDICAL ATTENTION.
INGE STION: GET MED ATTENTION.

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

Flash Point:NONE
Extinguishing Media:WATER, CARBON DIOXIDE, DRY CHEMICAL.
Fire Fighting Procedures:CHEMICAL RESISTANT CLOTHING WORN IN CASE OF
SPILLAGE. SELF-CONTAINED BREATHING APPARATUS SHOULD BE
WORN IN CASE
HCN VAPOR IS PRESENT.
Unusual Fire/Explosion Hazard:POISONOUS HCN GAS CAN BE PRODUCED BY THE
EXTREME HEAT OF A FIRE.

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

Spill Release Procedures:CONTAINS GOLD, COLLECT & SEND TO REFINER.
VENTILATE AREA, WEAR PROTECTIVE CLOTHING. DO NOT FLUSH DOWN THE
SEWER SYSTEM.

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

Handling and Storage Precautions:STORE BETWEEN 45-75, OUT OF DIRECT

LIGHT, WITH CONTAINER SEALED TIGHT. STORE AWAY FROM STRONG ACIDS.
Other Precautions:DO NOT EAT, DRINK OR SMOKE IN WORK AREA.

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

Respiratory Protection:A NIOSH/MSHA APPROVED RESPIRATOR SHOULD BE USED
AS NECESSARY.

Ventilation:LOCAL EXHAUST: SHOULD BE USED TO MAINTAIN CONCENTRATIONS
BELOW TLV.

Protective Gloves:RUBBER GLOVES.

Eye Protection:FACESHIELD OR CHEMICAL GOGGLES.

Other Protective Equipment:CHEMICAL RESISTANT CL
OTHING (APRON, BOOTS,
ECT)

Work Hygienic Practices:WASH HANDS THOROUGHLY WITH SOAP & WATER BEFORE
EATING, DRINKING,SMOKING OR USING TOILET FACILITIES.

Supplemental Safety and Health
NONE.

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

HCC:B3

Boiling Pt:B.P. Text:200F+,93C+

Spec Gravity:1.09-1.11

pH:10-11

Solubility in Water:COMPLETE

Appearance and Odor:YELLOW LIQUID; SLIGHT CYANIDE ODOR

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

Stabili

ty Indicator/Materials to Avoid:YES

STRONG ACIDS.

Hazardous Decomposition Products:HYDROGEN CYANIDE.

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE &
LOCAL LAWS. CONTAINS GOLD & CYANIDE. EPA WASTE NO: F007 & D002.

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