

ANACHEMIA CANADA INC -- AMPOULE ASSY,HEATER HCSDS NO:20106 -- 6665-01-133-4964
===== Product Identification =====

Product ID:AMPOULE ASSY,HEATER HCSDS NO:20106

MSDS Date:06/27/1991

FSC:6665

NIIN:01-133-4964

Kit Part:Y

MSDS Number: BPQXK

=== Responsible Party ===

Company Name:ANACHEMIA CANADA INC

Address:500 2ND AVE

City:VILLE ST. PIERRE QUE CAN H8R 1M3

State:NY

ZIP:12979

Country:CN

Info Phone Num

:514-489-5711

Emergency Phone Num:514-489-5711

Preparer's Name:MSDS DEPARTMENT

CAGE:36842

=== Contractor Identification ===

Company Name:ANACHEMIA CANADA

Address:255 NORMAN H8R 1A3

Box:City:VILLE ST. PIERRE (MONTREAL)

State:PQ

Country:CN

Phone:514-489-5711;518-297-4444

CAGE:36842

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

Ingred Name:ETHYLENE GLYCOL.FL

PT:116C,241F.LEL:3.2%.UEL:15.35%.AUTOIGNIT TEMP:398C,748F.LD50

RABBIT SKIN 9530 MG/KG. (SARA III)

CAS:107-21

-1

RTECS #:KW2975000

Fraction by Wt: 20%

Other REC Limits:NOT KNOWN

OSHA PEL:50 PPM C

ACGIH TLV:50 PPM C VAPOR/MIST

EPA Rpt Qty:1 LB

DOT Rpt Qty:1 LB

Ingred Name:CUPRIC CHLORIDE DIHYDRATE.LD50 GUINEA PIG ORAL 31

MG/KG.OSHA PEL AND ACGIH TLV ARE FOR DUSTS AND MISTS.

CAS:10125-13-0

RTECS #:GL7030000

Fraction by Wt: 40%

Other REC Limits:NOT KNOWN

OSHA PEL:1 MG(CU)/M3

ACGIH TLV:1 MG(CU)/M3

Ingred Name:WATER

CAS:7732-18-5

RTECS #:ZC0110000

:NOT KNOWN
ACGIH TLV:NOT KNOWN

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

LD50 LC50 Mixture:SEE INGREDIENT 1 AND 2.

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

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

Health Hazards Acute and Chronic:CONJUNCTIVITIS,VISION LOSS,PERMANENT
EYE DAMAGE.ALLERGIC CONTACT DERMATITIS,SKIN SENSITIZATION.

INHALATION/ INGESTION:RESPIRATORY FAILURE,CARDIAC FAILURE,LIVER &
LUNG DAMAGE. INHALATION IS DESTRUCTIVE

TO MUCOUS MEMBRANES.SEVERE

KIDNEY DAMAGE. TERATOGEN (HAS CAUSED BIRTH DEFECTS IN LAB ANIMALS
PER MANUFACTURER).

Explanation of Carcinogenicity:NONE

Effects of Overexposure:EYES:IRRIT,SEV BURNS. SKIN:IRRIT. INGEST:GI

IRRIT.ABDOM PAIN,BLURRED VISION,IRRITABILITY,HYPOTENSION,CYANOSIS,

TACHYPNEA,TACHYCARDIA,ANURIA,PROSTRATION,HYPOGLYCEMIA,OLIGURIA,UREM

IA,PULM EDEMA,BRONCOPN EUMONIA,COMA,CONVULSIONS. INHAL:POSS RESP

TRACT INFLAMMATION, REDUCED PULSE RATE & BLOOD PRESSURE,HDC

H,IRREG

EYE (SEE SU

Medical Cond Aggravated by Exposure:NOT KNOWN

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

First Aid:EYES:FLUSH W/ LOTS OF WATER FOR AT LEAST 15 MIN.CALL MD.

SKIN:REMOVE CONTAM CLOTHING.WASH SKIN W/ LOTS OF WATER FOR AT LEAST

15 MIN.CALL MD. INGEST:GIVE LOTS OF WATER TO DILUTE.INDUCE

VOMITING. CALL M D.NEVER GIVE ANYTHING BY MOUTH TO UNCONSCIOUS

PERS. INHALATION:REMOVE TO FRESH AIR.ADMINISTER APPROVED OXYGEN IF

BREATHING DIFFI

CULT.ADMINISTER ARTIFICIAL RESP OR CPR IF BREATHING

HAS CEASED.CALL MD.

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

Flash Point:SEE ING 1

Autoignition Temp:Autoignition Temp Text:398C

Lower Limits:SEE ING 1

Upper Limits:SEE ING 1

Extinguishing Media:CARBON DIOXIDE,DRY CHEMICAL POWDER,ALCOHOL OR
POLYMER FOAM.WATER SPRAY.WATER OR FOAM MAY CAUSE FROTHING.

Fire Fighting Procedures:SCBA W/ FULL FACEPIECE OPERATED IN PRESS

DEMAND/OTHER POSITIVE PRESS MODE.WEAR PE

PERSONAL PROTECT TO PREVENT

CONTACT W/ MATL/COMBUST PROD.COOL CONTRS W/ WATER SPRAY.

Unusual Fire/Explosion Hazard:EMPTY CONTAINER MAY CONTAIN EXPLOSIVE OR FLAMMABLE RESIDUE.

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

Spill Release Procedures:SHUT OFF ALL IGNITION SOURCES.EVACUATE.WEAR SCBA,RUBBER BOOTS,HEAVY RUBBER GLOVES.ABSORB ON SAND OR VERMICULITE AND PLACE IN CLOSED CONTAINER FOR DISPOSAL.VENTILATE AREA & WASH SPILL SITE AFTER MATERIAL PICK UP IS COMPLETE.

Neutralizing Agent:NOT KNOWN

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

Handling and Storage Precautions:STORE IN COOL,DRY,WELL VENTILATED AREA,AWAY FROM DIRECT SUN,HEAT,SPARKS,FLAME,INCOMPATIBLE MATERIALS.KEEP CLOSED TIGHT. PRODUCT IS HIGHLY HYGROSCOPIC.

Other Precautions:USE GOOD STORAGE & HANDLING PRACTICES.DO NOT GET IN EYES,ON SKIN/CLOTHING.DO NOT BREATHE VAPORS.AVOID ALL CONTACT.DO NOT ADD ANY OTHER MATERIAL TO THE CONTAINER.

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

Respiratory Protection:IF MORE THAN TLV,DO NOT BREATHE VAPOR.WEAR SELF-CONTAINED BREATHING APPARATUS.

Ventilation:USE ONLY IN A CHEMICAL FUME HOOD.ADEQUATE VENTILATION TO MAINTAIN VAPOR/DUST BELOW TLV.

Protective Gloves:IMPERVIOUS

Eye Protection:CHEMICAL SAFETY GOGGLES

Other Protective Equipment:APRON OR CLOTHING TO PROTECT SKIN.MAKE EYE BATH AND EMERGENCY SHOWER AVAILABLE.

Work Hygienic Practices:WASH WELL AFTER USE.DO NOT ALLOW SMOKING AND

FOOD CONSUMPTION WHILE HANDLING.WASH CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

KEY1:C2. CONTRACT #:DAAA09-90-C-1064.ENTRY RTE:EYES. MATLS TO AVOID:WITH HYDROXYL CMPDS.REDUCING AGENTS,ALKALI METALS (POTASSIUM,SODIUM),HYDRAZINE,NITROMETHANE,ALUMINUM,ACETYLENE,SODIUM HYPOBROMITE.EFFECTS OF OVEREXPOS:MOVEMENTS,POSS SYMP OF COMMON COLD. ABSORPTION/INGEST/INHAL:POSS CNS DEPRESS W/ NAUSEA,VOMIT,DROW,DIZZ.

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

Physical Properties =====

HCC:T4

Boiling Pt:B.P. Text:NOT KNOWN

Melt/Freeze Pt:M.P/F.P Text:NOT KNOWN

Decomp Temp:Decomp Text:NOT KNOWN

Vapor Pres:NOT KNOWN

Vapor Density:NOT KNOWN

Spec Gravity:NOT KNOWN

Evaporation Rate & Reference:NOT KNOWN

Solubility in Water:>40%

Appearance and Odor:LIQUID

Percent Volatiles by Volume:>40

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

Stability Indicator/Materials to Avoid:YES

OXIDIZING AGENTS,PHOSPHORUS(V)SULFIDE,CHROMI

UM TRIOXIDE,SODIUM

PEROXIDE,POTASSIUM PERMANGANATE,MATLS REACTIVE (SEE SUPP)

Stability Condition to Avoid:EXPLOSIVE DECOMPOSITION MAY OCCUR IF

COMBINED WITH STRONG ACIDS AND BASES SUBJECTED TO ELEVATED
TEMPERATURES.

Hazardous Decomposition Products:EMITS TOXIC FUMES UNDER FIRE

CONDITIONS.

Conditions to Avoid Polymerization:WILL NOT OCCUR.

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

Waste Disposal Methods:DISPOSAL MUST BE IAW FEDERAL,STATE,& LOCAL

REG

ULATIONS.COORDINATE WITH SUPPORTING INSTALLATION/MACOM

ENVIRONMENTAL OFFICE PRIOR TO DISPOSAL .AVOID RUNOFF.DO NOT WASH
DOWN DRAIN.

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