

ANACHEMIA CANADA INC -- AMPOULE ASSY,SUBSTRATE HCSDS NO:20135 -- 6665-01-133-4964
===== Product Identification =====

Product ID:AMPOULE ASSY,SUBSTRATE HCSDS NO:20135

MSDS Date:07/26/1991

FSC:6665

NIIN:01-133-4964

Kit Part:Y

MSDS Number: BPQXH

=== 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 Pho

ne 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:TETRAHYDROFURAN (SARA III)

CAS:109-99-9

RTECS #:LU5950000

Fraction by Wt: 6.23%

Other REC Limits:NOT KNOWN

OSHA PEL:200 PPM

ACGI

H TLV:200 PPM
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:LIGROINE (VM&P NAPHTHA)
CAS:8032-32-4
RTECS #:OI6180000
Fraction by Wt: 93.07%
Other REC Limits:NOT KNOWN
OSHA PEL:300 PPM
ACGIH TLV:300 PPM

Ingred Name:INDOXYL ACETATE.LD50 MOUSE ORAL 600 MG/KG.
CAS:608-08-2
RTECS #:AI3325000
Fraction by Wt: 0.70%
Other REC Limits:NOT KNOWN
OSHA PEL:NOT KNOWN
ACGIH TLV:NOT KNOWN

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

LD50 LC50 Mixture:SEE INGREDIENT 3

Routes of

Entry: Inhalation:YES Skin:YES Ingestion:YES

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

Health Hazards Acute and Chronic:INGESTION/INHALATION/SKIN ABSORPTION

MAY CAUSE KIDNEY AND LIVER DAMAGE.SEVERE OVEREXPOSURE TO LARGE AMOUNTS OF MATERIAL MAY LEAD TO COMA AND POSSIBLE DEATH DUE TO RESPIRATORY FAILURE.

Explanation of Carcinogenicity:NONE

Effects of Overexposure:EYES:IRRITATION. SKIN:IRRITATION.READILY ABSORBED THROUGH SKIN. INGESTION:GASTROINTESTINAL IRRITATION.

ABDOMINAL PAIN. INHALATION:MAY CAUSE RESPIRATORY TRACT INFLAMMATION. SKIN ABSORPTION/ INGESTION/IN HALATION:MAY CAUSE CNS DEPRESSION WITH HEADACHE,NAUSEA, VOMITING,DROWSINESS,ABDOMINAL PAIN,DIZZINESS,AND INCOORDINATION.

Medical Cond Aggravated by Exposure:NOT KNOWN

===== 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.C

ALL MD. INGEST:GIVE LOTS OF WATER TO DILUTE.DO NOT INDUCE VOMITING. CALL MD.NEVER GIVE ANYTHING BY MOUTH TOUNCON PERS. INHALATION: REMOVE TO FRESH AIR.ADMINISTER APPROVED OXYGEN IF BREATHING DIFFICULT. ADMINISTER ARTIFICIAL RESP OR CPR IF BREATHING HAS CEASED.CALL MD

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

Flash Point Method:CC

Flash Point:-2F,-19C (ING 2)

Autoignition Temp:Autoignition Temp Text:320C

Lower Limits:1.8 (ING 2)

Upper Limits:11.8 (ING

2)

Extinguishing Media:CARBON DIOXIDE,DRY CHEMICAL POWDER,ALCOHOL OR POLYMER FOAM.WATER MAY BE INEFFECTIVE TO EXTINGUISH FIRES.SINCE (SEE SUPP)

Fire Fighting Procedures:SCBA W/ FULL FACEPIECE OPERATED IN PRESS DEMAND/OTHER POSITIVE PRESS MODE.WEAR PERSONAL PROT TO PREVENT CONTACT W/ MATL/COMBUST PROD.COOL CONTRS W/ WATER SPRAY.

Unusual Fire/Explosion Hazard:FLASHBACK ALONG VAPOR TRAIL MAY OCCUR.ELIM ALL IGNIT SOURCES.VAPOR FORMS EXPLO MIXTURE W/ AIR WITHIN EXPLOSION LIMIT

S. TETRAHYDROFURAN MAY FORM EXPLO PEROXIDES.

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

Spill Release Procedures:SHUT OFF ALL IGNITION SOURCES.WEAR RESPIRATOR,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 Precau

tions:STORE IN COOL,DRY,WELL VENT AREA,AWAY

FROM HEAT,SPARKS,FLAME,INCOMPATIBLE MATLS.KEEP CLOSED TIGHT.DO NOT ADD ANY OTHER MATL TO CONTAINER.

Other Precautions:USE GOOD STORAGE & HANDLING PRACTICES.DO NOT GET IN EYES,ON SKIN/CLOTHING.DO NOT BREATHE VAPORS.AVOID ALL CONTACT.EMPTY CONTAINER MAY CONTAIN HAZARDOUS RESIDUE.GROUND CONTAINER WHILE DISPENSING. USE ONLY EXPLOSION PROOF EQUIPMENT.

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

Respiratory Prot

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

Ventilation: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: F2. CONTRACT #:DAAA09-90-C-1064.EXTING MEDIA: LIGROINE IS LIGHTER THAN WATER & INSOLUBLE IN WATER,THE FIRE COULD EASILY BE SPREAD BY USE OF WATER IN AREA WHERE WATER COULD NOT BE CONTAINED.ROUTE S OF ENTRY:EYES.

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

HCC:F1

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

Ev

aporation Rate & Reference:NOT KNOWN

Solubility in Water:80

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS,STRONG BASES,REDUCING AGENTS.

Stability Condition to Avoid:SENSITIVE TO STATIC DISCHARGE.

Hazardous Decomposition Products:EMITS TOXIC FUMES UNDER FIRE CONDITIONS.

Conditions to Avoid Polymerization:WILL NOT OCCUR.

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

Waste Disp

Disposal Methods: DISPOSAL MUST BE IAW FEDERAL, STATE, & LOCAL REGULATIONS. COORDINATE WITH SUPPORTING INSTALLATION/MACOM ENVIRONMENTAL OFFICE PRIOR TO DISPOSAL. BURN IN CHEMICAL INCINERATOR EQUIPPED W/ AFTER BURNER & SCRUBBER. AVOID RUNOFF. DO NOT WASH DOWN DRAIN.

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