

ICI AMERICAS INC;STUART PHARACEUTICALS,DIV -- ARKLONE P -- 6850-00-319-0834

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Product Identification
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Product ID:ARKLONE P

MSDS Date:09/24/1989

FSC:6850

NIIN:00-319-0834

MSDS Number: BSDFH

=== Responsible Party ===

Company Name:ICI AMERICAS INC;STUART PHARACEUTICALS,DIV

Address:CONCORD PIKE AND MURRY ROAD

Box:2376

City:WILMINGTON

State:DE

ZIP:19897

Country:US

Info Phone Num:302-275-3000

Emergency Phone Num:302-575-3000

CAGE:13992

=== Contractor Identification ===

Company Name:QPL INC, FORMERLY OMNITECH INTERNATIONAL, INC.

Address:800 N. ACADIA ROAD

Box:City:THIBODAUX

State:LA

ZIP:70301

Country:US

Phone:504-394-8440

CAGE:0AD61

Company Name:ZENECA INC. ZENECA PHARMACEUTICALS GROUP (FORMERLY ICI)

Address:1800 CONCORD PIKE

Box:City:WILMINGTON

State:DE

ZIP:19897

Country:US

Phone:302-886-3000

CAGE:13992

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Composition/Information on Ingredients
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In

Product Name: 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE (FREON 113) (SARA III)

CAS: 76-13-1

RTECS #: KJ4000000

Fraction by Wt: 99.9%

OSHA PEL: 1000PPM/1250STEL

ACGIH TLV: 1000PPM/1250STEL 9192

Ozone Depleting Chemical: 1

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

LD50 LC50 Mixture: ORAL LD50 (RAT) IS 42,000 MG/KG

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

Health Hazards Acute and Chronic: INGESTION-A SINGLE DOES OF THIS

PRODUCT IS PRACTICALLY NONTOXIC BY INGESTION.

EYE-THIS MATERIAL IS

SLIGHTLY IRRITATING TO HUMAN EYES. SKIN-IRRITATION CAN DEVELOP FOLLOWING PROLONGED CONTACT WITH HUMAN SKIN. INHALATION-MISTS OR VAPOR CAN INDUCE IRRITATION OF MUCOUS MEMBRANES OF THE THROAT, NOSE & RESPIRATORY PASSAGE.

Explanation of Carcinogenicity: NO DATA AVAILABLE.

Effects of Overexposure: EXPOSURE TO HIGH CONCENTRATIONS OF 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE INDUCES TOXICITY WHICH PROGRESSES FROM IRRITATION OF MUCOUS MEMBRANES & SKIN, DEPRESSION,

WEAKNESS,

VERTIGO, DISORIENTATION, UNCOORDINATION, HEADACHE, DROWSINESS, NAUSEA, VOMITING AND LOSS OF SENSATION TO UNCONSCIOUSNESS & ANORIC DEATH.

Medical Conditions Aggravated by Exposure: NONE SPECIFIED BY MANUFACTURER.

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

First Aid: SKIN-REMOVE CONTAMINATED CLOTHING. WASH MATERIAL OFF THE SKIN WITH PLENTY OF SOAP & WATER. IF REDNESS OCCURS, GET MEDICAL ATTENTION. EYES-IMMEDIATELY FLUSH WITH PLENTY OF WATER

FOR 15 MIN.

IF REDNESS OCCURS, HAVE EYES EXAMINED & TREATED BY PHYSICIAN.

INGESTION- GIVE 1 OR 2 GLASSES OF WATER TO DRINK. CONSULT PHYSICIAN. INHALATION-REMOVE VICTIM TO FRESH AIR. CONSULT MEDICAL PERSONNEL. PERFORM CPR.

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

Flash Point: DOES NOT FLASH

Extinguishing Media: NOT APPLICABLE. USE MEDIA SUITABLE FOR SURROUNDING FIRES.

Fire Fighting Procedures: SELF-CONTAINED BREATHING APPARATUS WITH FULL FACEPIECE

E AND PROTECTIVE CLOTHING IF INVOLVED IN A FIRE OF OTHER MATERIALS.

Unusual Fire/Explosion Hazard:HEAVY VAPORS CAN SUFFOCATE. HIGHLY TOXIC DECOMPOSITION PRODUCTS.

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

Spill Release Procedures:RECOVER ANY LIQUID AND VENTILATE SPILL AREA. USE SELF-CONTAINED BREATHING APPARATUS TO AVOID SUFFOCATION. [HMIS-REMOVE UNPROTECTED PERSONNEL. HMIS]

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

Handling

and Storage Precautions:STORE IN A COOL AREA WITH GOOD VENTILATION. ENFORCE NO SMOKING RULES IN AREAS OF USE. OBSERVE TLV LIMITATIONS. [HMIS-AVOID BREATHING VAPORS. HMIS]

Other Precautions:DISPOSAL: DISPOSE OF WASTES OF THESE SPENT MATERIALS IN A FACILITY PERMITTED FOR HAZARDOUS WASTE. STORAGE: THIS MATERIAL OR ITS VAPORS IN CONTACT WITH OPEN FLAMES, HEAT ABOVE 1300F MAY FORM VARIOUS, TOXIC/CORROSIVE DECOMPOSITION PRODUCTS.

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

Respiratory Protection:NOT NORMALLY NEEDED IF CONTROLS ARE ADEQUATE. IF NEEDED, USE MSHA-NIOSH APPROVED RESPIRATOR FOR ORGANIC VAPORS. IN HIGH CONCENTRATIONS OR IN OXYGEN-DEFICIENT ATMOSPHERES, USE MSHA-NIOSH APPROVED SELF-CONTAINED BREATHING APPARATUS.

Ventilation:VENTILATE LOW-LYING AREAS SUCH AS SUMPS OR PITS WHERE DENSE VAPORS MAY COLLECT. PROVIDE LOCAL EXHAUST IF TLV IS EXCEED.

Protective Gloves:IMPERVIOUS GLOVES AND APRONS.

Eye Protection:CHEMICAL TIGHT GOGGLES; FULL FACE SHIELD.

Other Protective Equipment:EYE WASH STATION AND SAFETY SHOWER IN WORK AREA.

Work Hygienic Practices:AVOID CONTACT WITH EYES AND SKIN.DO NOT BREATHE VAPORS/MIST.DO NOT EAT,DRINK OR SMOKE IN WORK AREA.

Supplemental Safety and Health

CONTAINER DISPOSAL: EMPTY CONTAINERS RETAIN HAZARDOUS PRODUCTS RESIDUE. OBSERVE ALL HAZARD PRECAUTIONS. DO NOT DISTRIBUTE, MAKE AVAILABLE, FURNISH OR REUSE EMPTY CONTAINER EXCEPT FOR STORAGE & SHIPMENT OF ORIGINAL PRODUCT

CT. [HMIS-FREON 113 MAY DILUTE OR DISPLACE OXYGEN
BELOW LEVELS NECESSARY TO SUSTAIN LIFE. HMIS]

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

HCC:N1

Boiling Pt:B.P. Text:118F,48C

Vapor Pres:270 MMHG

Vapor Density:6.75

Spec Gravity:1.6

Solubility in Water:INSOLUBLE

Appearance and Odor:COLORLESS LIQUID WITH FAINT ETHER LIKE ODOR.

Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:

YES

SODIUM, POTASSIUM, & BARIUM METALS; FINELY DIVIDED ALUMINUM, ZINC &
MAGNESIUM, ESPECIALLY AT HIGH TEMPERATURES.

Stability Condition to Avoid:STABLE UNDER NORMAL CONDITIONS.

Hazardous Decomposition Products:HALOGEN, HALOGEN ACIDS, POSSIBLE TRACE
AMOUNT OF CARBONYL HALIDE.

Conditions to Avoid Polymerization:WILL NOT OCCUR.

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

Waste Disposal Methods:DISCARDED PRODUCT IS NOT A HAZARDOUS WASTE UNDER
RCRA CFR 261. HOWE

VER, SPENT 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE

& STILL BOTTOMS FROM RECOVERY OF THIS SOLVENT ARE HAZARDOUS WASTES,
NO 1002, UNDER RCRA, 40 CFR 261.31.

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