

ICI AMERICAS INC ICI PHARMACEUTICALS DIV -- ARKLONE P -- 6850-00-681-5688

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

Product ID:ARKLONE P

MSDS Date:11/01/1985

FSC:6850

NIIN:00-681-5688

MSDS Number: BTHNH

=== Responsible Party ===

Company Name:ICI AMERICAS INC ICI PHARMACEUTICALS DIV

Address:CONCORD PIKE AND MURPHY ROAD

City:WILMINGTON

State:DE

ZIP:19897

Country:US

Info Phone Num:302-886-3000

Emergency Phone Num:800-327-8633 MEDICAL

CAGE:0A273

=== Contractor Identifica

tion ===

Company Name:ASTRO PAK

CAGE:ASTRO

Company Name:ZENECA INC., ZENECA PHARMACEUTICALS GROUP

Address:1800 CONCORD PIKE

Box:City:WILMINGTON

State:DE

ZIP:19803-2902

Country:US

Phone:302-886-3000

CAGE:0A273

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

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

CAS:76-13-1

RTECS #:KJ4000000

Fraction by Wt: 99.9% %

Other REC Limits:NONE SPECIFIED

OSHA PEL:1000PPM/1250STEL

ACGIH TLV:1000PPM/1250STEL9192

# Ozone Depleting Chemical:1

## ===== Hazards Identification =====

LD50 LC50 Mixture:ORAL RAT: 43 G/KG

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

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

Health Hazards Acute and Chronic:ACUTE:IRRITATION OF EYES, SKIN, MUCOUS MEMBRANES AND CNS DEPRESSION, WEAKNESS, VERTIGO, HEADACHE, DROWSINESS, NAUSEA, VOMITING, SENSITIZATION POSSIBLE. CHRONIC: CNS DEPRESSION,IRRITATION.

Explanation of Carcinog

enicity:THIS COMPOUND CONTAINS NO INGREDIENTS AT CONCENTRATIONS OF 0.1% OR GREATER THAT ARE CARCINOGENS OR SUSPECT CARCINOGENS.

Effects of Overexposure:DROWSINESS, HEADACHE, GIDDINESS, DEFATTING OF SKIN. CAN BE FATAL IF OVEREXPOSURE SEVERE.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:INHALATION: MOVE TO FRESH AIR. KEEP WARM, GET PHYSICIAN. DO NOT GIVE SYMPATOMIMIETIC DRUG LIKE

ADRENALINE, IS ANESTHIC. GIVE

ARTIFICIAL RESPIRATION IF BREATHING HAS STOPPED. EYES: FLUSH WITH WATER FOR 15 MINUTES. INGESTION: GIVE 2 GLASSES WATER, INDUCE VOMIT WITH FINGER DOWN THROAT. GET MEDICAL ATTENTION.

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

Flash Point:NONE

Lower Limits:NOT GIVEN

Upper Limits:NOT GIVEN

Extinguishing Media:USE ANY SUITABLE MEDIA FOR SURROUNDING FIRES.

Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND F

ULL FACE-PIECE SELF-CONTAINED BREATHING APPARATUS.

Unusual Fire/Explosion Hazard:ACIDIC DECOMPOSITION PRODUCTS FORMED WHEN IN CONTACT WITH FLAME OR HOT SURFACE.

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

Spill Release Procedures:ABSORB, PICK UP & PLACE IN SEALED CONTAINER.

DO NOT WASH DOWN PUBLIC SEWERS IN HI CONCENTRATIONS. USE SELF-CONTAINED OR AIR-SUPPLIED BREATHING APPARATUS TO AVOID BEING OVERCOME BY FUMES.

Neutralizing Agent:NONE SPECIFIED BY MANU

FACTURER.

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

Handling and Storage Precautions:ENSURE GOOD VENTILATION. STORE IN COOL PLACE. KEEP CONTAINERS TIGHTLY CLOSED WHEN NOT IN USE. DO NOT SMOKE.

Other Precautions:NOTE: VAPOR HEAVIER THAN AIR. ENSURE GOOD VENTILATION, ESPECIALLY IN PITS.

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

Respiratory Protection:USE NIOSH/MSHA APPROVED RESPIRATOR FOR ORGANIC VAPORS/MIST IF ABOVE PEL/TLV O

R SCBA IN AN ENCLOSED AREA.

Ventilation:LOCAL IF TLV EXCEEDED, OTHERWISE, GEN DILUTION

Protective Gloves:PVC GLOVES

Eye Protection:SAFETY GLASSES W/SDE SHLD

Other Protective Equipment:EYE WASH FACILITIES,SAFETY SHOWER.

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

LD50 FOR RAT IS 43 GRAMS/KG BODY WT

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

HCC:N1

Boiling

Pt:B.P. Text:117.7F/48C

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

Vapor Pres:270

Vapor Density:6.75

Spec Gravity:1.6

Evaporation Rate & Reference:NOT GIVEN

Solubility in Water:NEGLIGIBLE

Appearance and Odor:COLORLESS LIQUID, FAINT ETHE-LIKE ODOR

Percent Volatiles by Volume:100 %

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

Stability Indicator/Materials to Avoid:YES

MAY REACT VIOLENTLY WITH FINELY GROUND SODIUM, POTASS, BARIUM

Stability Condition to Avoid:CONTACT WITH REA

CTIVE METAL, SODIUM,  
POTASSIUM, FLAME

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

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

Waste Disposal Methods:PREVENT WASTE FROM CONTAMINATING SURROUNDING  
ENVIRONMENT. DISCARD ANY PRODUCT, RESIDUE, DISPOSAL CONTAINER OR  
LINER IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS.

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