

ZENECA INC. ZENECA PHARMACEUTICALS GROUP -- DEMAND CS -- 6840-01-428-6646

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Product Identification  
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Product ID:DEMAND CS

MSDS Date:07/01/1994

FSC:6840

NIIN:01-428-6646

MSDS Number: CFYHS

=== Responsible Party ===

Company Name:ZENECA INC. ZENECA PHARMACEUTICALS GROUP

Address:1800 CONCORD PIKE

City:WILMINGTON

State:DE

ZIP:19897

Country:US

Info Phone Num:302-886-3000

Emergency Phone Num:800-

424-9300(CHEMTREC)/800-327-8633

CAGE:23992

=== Contractor Identification ===

Company Name:ZENECA AG PRODUCTS INC

Address:1800 CONCORD PIKE

Box:15438

City:WILMINGTON

State:DE

ZIP:19850

Country:US

Phone:302 886-1000 - MED 800-327-8633

CAGE:0X6X4

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

Company Name:ZENECA INC. ZENECA PHARMACEUTICALS GROUP

Address:1800 CONCOR

D PIKE  
Box:City:WILMINGTON  
State:DE  
ZIP:19897  
Country:US  
Phone:302-886-3000  
CAGE:23992  
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

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

Ingred Name:LAMBDA-CYHALOTHRIN (ACTIVE INGREDIENT)  
CAS:91465-08-6  
RTECS #:GZ1227780  
Fraction by Wt: 9.7%  
Other REC Limits:NONE RECOMMENDED

Ingred Name:OTHER INGREDIENTS INCLUD  
ING INGRED #3. (INGREDS NOT  
PRECISELY ID ARE PROPRIETARY OR NONHAZ.  
Fraction by Wt: 90.3%  
Other REC Limits:NONE RECOMMENDED

Ingred Name:AROMATIC PETROELUM SOLVENT CONTAINING INGRED #4.  
Other REC Limits:NONE RECOMMENDED

Ingred Name:1,2,4-TRIMETHYLBENZENE (SARA 313)  
CAS:95-63-6  
RTECS #:DC3325000  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:25 PPM  
ACGIH TLV:25 PPM; 9596

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

LD50 LC50 Mixture:ACUTE ORAL DL50 RATS >5000MG/KG (M,FE

)  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:PHYS HAZ:NONE.HEALTH  
HAZ:IRRIT(EYE,SKIN,RESP PASSAGES,SKIN  
SENS).INHAL(TLV)HARMFUL(ORAL).BASED ON AROMATIC PETROLEUM  
SOLVT-IRRIT(SKIN),HARMFUL(CNS DEPRESS,GI DISTURBANCE).  
INGEST:SEVERE GI DISTURB W/I NGEST OF HYDROCARBON SOLVT.EXCESSIVE  
QUANT INDUCE CNS DEPRESS.ASPIRATED INTO LUNGS INDUCE SEVERE LUNG  
(SIGN/SYMPT)

Effects of Overexposure:HEALTH:CONGESTION-LABOR  
BREATH,COMA,DEATH.EY

E:PROBABLY MILDLY IRRIT.SKIN:MILD SKIN  
SENS,PARESTHESIA AROUND FACE,ARMS,HANDS,NO LONG-TERM/CUMMULA  
EFFECTS.PROBABLY NOT ABSORB THRU SKIN.INHAL:MODERATELY T OXIC,HI  
CONCE RESP/CNS DEPRESS,HEAD,DIZZ,NAU.INGEST:NAU,VOMIT,ABD  
PAIN,DIARR,LG DOSES DISTURB OF NCS.FACIAL SKIN TINGLE

Medical Cond Aggravated by Exposure:A SENSITIZED INDIVIDUAL SHOULD NOT  
BE EXPOSED TO PRODUCT WHICH CAUSED THE SENSITIZATION.

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

First A

id:SKIN:WASH MATL OFF W/LOTS OF SOAP/H2O.RED/ITCH/BURN SENS DVLP  
GET MED ATTN.EYE:IMMED FLUSH W/LOTS OF H2O @LEAST  
15MINS.RED/ITCH/BURN SENS DVLP EXAMINE/TREAT BY MED  
PERS.INGEST:RINSE MOUTH OUT,GIVE 200 -300ML(1C)H2O.IMMED CALL  
800-237-866 ZENECA EMERG NETWORK.VOMIT IF DR/POI CNTRL  
INSTRUCT.SPONT VOMIT LEAN FORWARD HEAD DOWN,RINSE MOUTH,ADM  
H2O.IMMED TAKE TO EMERG FACI.INHAL:MOVE TO FRESH (OTHR PREC)

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

Flash Point Method:SCC

Flash Point:>212F,>100C

Autoignition Temp:Autoignition Temp Text:N/DATA

Lower Limits:NO DATA

Upper Limits:NO DATA

Extinguishing Media:DRY CHEMICAL, FOAM, CARBON DIOXIDE, HALOGENATED  
AGENTS.

Fire Fighting Procedures:SELF-CONTAINED BREATHING APPARATUS WITH FULL  
FACEPIECE & PROTECTIVE CLOTHING.

Unusual Fire/Explosion Hazard:FIRE SITUATION PROD MAY SUPPORT COMBUST  
AFT H2O BOIL OFF.HEATING WILL GENERATE TOXIC VAP.NOT LEAK KEEP  
FIRE-EXPO CNTNR COOL W/H2OSPRAY-PRE

# VENT RUPTURE DUE(SUPP)

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

Spill Release Procedures:FOLLOW GOOD INDUST HYG PRAC.SM-HNDL  
ROUTINELY.ADEQU VENTI/WEAR AIR SUPP RESP,PPE,EYE/SKIN PROT.PREVENT  
ENTRY STREAM/SEWER/H2OWAY.SPREAD SUITABLE ABSORBEN(CLAY).SHOVEL  
INTO OPN DR.COVER GENEROUSLY W/HO USEHODL DETERGENT.WORK W/STIFF  
BRUSH/H2O.(NEUTRA)

Neutralizing Agent:SPILL:LET STAND 2-3MINS.SPREAD  
ABSORBENT/SHOVEL.REPEAT.SEAL DR/DISPO.

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

Handling and Storage Precautions:PREVENT EYE/SKIN CONTACT.OBSERVE  
PEL.AVOID BREATH VAP/AEROSOLS.SHOWER/CHANGE TO FRESH CLOTH AFT EA  
SHIFT.DONT STORE NEAR FEED/FOOD/CHILDREN REACH.

Other Precautions:READ ENTIRE MSDS FOR THOROUGH OF HAZS.1ST AID:NOT  
BREATH GIVE ART RESP(MOUTH-TO-MOUTH).LABOR BREATH GIVE OXY.CONSULT  
MED PERS.DR:EMESIS MAY BE INDICATED IN ALERT VICT WHO INGEST LG  
QUANT;LAVAGE FOR OBT UNDED VICT.HYDROCARBON PNEUITIS I  
F ASPIR

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

Respiratory Protection:WHEN NEEDED USE MSHA/NIOSH APPROVED RESPIRATOR  
FOR PESTICIDES.

Ventilation:IF NEEDED USE LOCAL EXHAUST VENTILATION TO KEEP AIRBORNE  
CONCEN BELOW TLV.

Protective Gloves:IMPERV GLOVES

Eye Protection:CHEM SAF GLASS,GOGG,FACESHIELD

Other Protective Equipment:FIFRA REG.REFER TO LABELING FOR REQUIRE  
END-USER PPE.FTWEAR, LONG SLEEVE CLOTH,WIDE BRIM HAT.ADEQ SUPPLY OF  
POT H2O-FLUSH

Work Hy

gienic Practices:REMOVE CONTAM CLOTH & WASH BEF REWEARING.WASH  
SEPARATELY FROM OTHER LAUNDRY.EXERCISE DUE CAUT TO PREVENT  
DMG/LEAK CNTNR

Supplemental Safety and Health

VAP PRESS FOR LAMBACYHALOTHRIN TECH;PH:7.25 1% W/W DIL IN DEION  
H2O.PROD:MICROCAPSULES OF LAMDACYHALOTHRIN SUSPENDED IN  
H2O.MICROCAPSULES ALSO CONTAIN A SOLVT. FIRE/EXPLO:TO EXCESS  
HEAT.HI PRESS H2O HOSE MAY SPREAD PROD FRM BRKN CNTNR INCR  
CONTAM/FIRE HAZ.DONT USE CONTAM BLDG/EQPMT TIL DECON.KEEP RUNOFF

AWAY DRAIN/H2O

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

HCC:T5

Boiling Pt:B.P. Text:>212F,>100C

Melt/Freeze Pt:M.P/F.P Text:NP

Decomp Temp:Decomp Text:NP

Vapor Pres:1.5X10-9

Vapor Density:NO DATA

Spec Gravity:1.036

pH:SUPPLE

Viscosity:NP

Evaporation Rate & Reference:NP

Solubility in Water:READILY DISPER INH2O

Appearance and Odor:OFF-WHITE LIQUID WITH SLIGHT ODOR TYPICAL OF  
AROMATIC PETROLEUM SOLVT

Percent Volatiles by Volume:N/DATA

Corrosion Rate:NP

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

Stability Indicator/Materials to Avoid:YES

NONE KNOWN

Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products:COMBUSTION PRODUCTS:CARBON DIOXIDE,  
CARBON MONOXIDE.NITROGEN OXIDES,AMMONIA.TRACE AMTS OF HYDROGEN  
CYANIDE.

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

Waste Disposal Methods:MATL EXTREMELY TOXIC TO FISH.DONT CONTAM H2OWAYS  
W/EQPMT CLEAN/DISPO WAST

E.UNTREAT EFFLUENT NOT INTO

LAKE/STREAM/POND.DISCARD PROD NOT HAZ WASTE UNDER RCRA

40CFR261.CERCLA/SARA SEC 313 EPCRA/40CFR372: 1,2,4-TRIMETHYLBENZENE