

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

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

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 Identi

fication ===

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 CONCORD PIKE

Box:City:WILMINGTON

State:DE

ZIP:19897

Country:US

Phone:3

02-886-3000
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

===== 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 INCLUDING 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

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

LD50 LC50 Mixture:ACUTE ORAL DL50 RATS >5000MG/KG (M,FE)
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Ha

zards 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.EYE:PROBABLY MILDLY IRRIT.SKIN:MILD SKIN
SENS,PARESTHESIA AROU

ND 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.

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

First Aid: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)

===== 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-PREVENT RUPTURE DUE(SUPP)

===== Accidental Release M

asures =====

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 Sto

rage 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.1STAD: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 IF ASPIR

===== Exposure Controls/Personal Protection =
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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 Hygienic Practices:REMOVE CONTAM CLOTH & WASH BEF REWEARING.WASH

SEPARATELY FROM OTHER LAUNDERY.EXERCISE DUE CAUT TO PREVENT
DMG/LEAK CNTNR

Supplemental Safety and Health

VAP PRESS FOR LAMBDA CYHALOTHRIN 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 Proper

ties =====

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

===== 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 WASTE.UNTREAT EFFLUENT NOT INTO
LAKE/STREAM/POND.DISCARD PROD NO

T HAZ WASTE UNDER RCRA

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