

ZENECA ZENECA AG PRODUCTS -- DEMAND CS

=====

MSDS Safety Information

=====

FSC: 6840

NIIN: 01-428-6646

MSDS Date: 07/15/1999

MSDS Num: CLBQY

Product ID: DEMAND CS

MFN: 03

Responsible Party

Cage: 0X6X4

Name: ZENECA INC ZENECA AG PRODUCTS

Address: 1800 CONCORD PIKE

Box: 15438

City: WILMINGTON D

E 19897-5438

Info Phone Number: 302-886-3000 / 1553

Emergency Phone Number: (800)424-9300

Resp. Party Other MSDS No.: US006230-01

=====

Item Description Information

=====

Item Manager: S9G

Item Name: INSECTICIDE,LAMBDA-CYHALOTHRIN

Specification Number: NONE

Type/Grade/Class: NONE

Unit of Issue: BX

Quantitative Expression: 00000000008EA

UI Container Qty: 0

Type of Container: PLASTIC CONTA

=====

Ingredients

=====

Name: \*\*\* PROPRIETARY \*\*\*

-----

=====

Health Hazards Data

=====

LD50 LC50 Mixture: ORAL RAT LD50 >5000 MG.KG

Effects of Exposure: IRRITANT (EYE, SKIN, RESPIRATORY PASSAGES, SKIN

SENSITIZER). INHALATION (TLV) HARMFUL (ORAL) BASED ON THE AROMATIC PETROLE

UM

SOLVENT - IRRITANT (SKIN), HARMFUL (CENTRAL NERVOUS SYSTEM DEPRESSION, GASTROINTESTINAL DISTURBANCE).

Signs And Symptoms Of Overexposure: INGESTION (HYDROCARBON SOLVENT WITHIN MICROCAPSULE): SEVERE GASTROINTESTINAL DISTURBANCE, CNS DEPRESSION (DROWSINESS, DIZZINESS, LOSS OF COORDINATION, FATIGUE); ASPIRATION OF VOMITUS MAY CAUSE LUNG CO NGESTION, LABORED BREATHING, COMA, POSSIBLE DEATH.

First Aid: EYES-FLUSH WITH WATER FOR 15 MINS. IF REDNESS,ITCHING OR BURNING DEVELOPS, HAVE EY

ES EXAMINED. SKIN-WASH SKIN WITH SOAP & WATER. IF

REDNESS, ITCHING OR BURNING DEVELOPS, GET MEDICAL AID. INHALED-REMOV E VICTIM TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. IF BREATHING

LABORED, GIVE OXYGEN.CONSULT MEDICAL PERSONNEL. SWALLOWED-IF CONSCIOUS, WASH MOUTH WITH WATER. IMMEDIATELY CONTACT ZE NECA AT 1-800-327-8633. INDUCE

VOMITING ONLY UNDER MEDICAL GUIDANCE. IF VOMITING OCCURS, PUT HEAD DOWN BELOW WAIST. IMMEDIATELY TRANSPORT TO EMERGENCY MEDICAL FACIL

ITY.

=====  
Handling and Disposal

=====  
Spill Release Procedures: WEAR SUITABLE PERSONAL PROTECTIVE CLOTHING & EYE PROTECTION INCLUDING AIR-SUPPLIED RESPIRATOR.DO NOT ALLOW MATERIAL TO ENTER STREAMS,SEWERS OR OTHER WATERWAYS. SPREAD SUITABLE ABSORBENT ON THE SPILL & SHOVEL INTO OPEN DRUM.COVER CONTAMINATED AREA WITH COMMON HOUSEHOLD DETERGENT.USE STIFF BRUSH & WATER WATER,BRUSH AREA THEN LET STAND 2-3

MINUTES,SPREAD ABSORBENT INTO SLURRY THEN SHOVEL INTO DRUM.

Waste Disposal Methods: DO NOT CONTAMINATE WATERWAYS BY CLEANING OF EQUIPMENT OR BY DISPOSAL OF WASTES. UNTREATED EFFLUENT SHOULD NOT BE DISCHARGED WHERE IT WILL DRAIN INTO WATERWAYS. DISCARDED PRODUCT IS NOT A HAZARDOUS WAS TE UNDER RCRA, 40 CFR 261.

Handling And Storage Precautions: CONTAINERS SHOULD BE STORED IN A COOL, DRY, WELL-VENTILATED AREA AWAY FROM FLAMMABLE MATERIALS AND SOURCES OF HEAT OR

FLAME. EXERCISE DUE CAUTION TO PREVENT DAMAGE TO OR LEAKAGE FROM THE CONTAINER. DO NOT STORE NEAR FEED, FOOD, OR WITHIN THE REACH OF CHILDREN.

Other Precautions: EMPTY CONTAINER RETAINS PRODUCT RESIDUE. OBSERVE ALL HAZARD PRECAUTIONS. DO NOT REUSE EMPTY CONTAINER EXCEPT FOR STORAGE OR SHIPMENT OF ORIGINAL PRODUCT. REMOVE ALL PRODUCT RESIDUE FROM CONTAINER & P UNCTURE OR OTHERWISE DESTROY EMPTY CONTAINER AND PUNCTURE OR OTHERWISE DESTROY EMPTY

CONTAINER BEFOR E DISPOSAL.

=====

=====

## Fire and Explosion Hazard Information

=====

Flash Point Method: SCC

Flash Point: >100.C, 212.F

Autoignition Temp Text: N/DATA

Lower Limits: NO DATA

Upper Limits: NO DATA

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

Fire Fighting Procedures: SELF-CONTAINED BREATHING APPRATUS WITH FULL FACEPIECE AND PROTECTIVE CLOTHING. KEEP FIRE EXPOSED CONTAINER COOL WITH WATER SPRAY TO

PREVENT RUPTURE FOR EXCESSIVE HEAT. HIGH PRESSURE WATER HOSE MAY SPREAD PRODUCT INCREASING CONTAMINATION OR FIRE HAZARD. CONTAIN RUN-OFF.

Unusual Fire/Explosion Hazard: PRODUCT MAY SUPPORT COMBUSTION AFTER WATER CONTENT BOILED OFF (IN FIRE). HEATING WILL GENERATE TOXIC VAPORS. IF NOT LEAKING, KEEP FIRE-EXPOSED CONTAINER COOL WITH WATER SPRAY TO PREVENT RUPTURE DUE TO EXCESSIVE HEAT. HIGH PRESSURE WATER HOSE MAY SPREAD PRODUCT FROM BROKEN CONTAINER INCREASING CONTAMINATION/FIRE HAZARD.

=====

## Control Measures

=====

Respiratory Protection: IF NEEDED, USE MSHA-NIOSH APPROVED RESPIRATOR FOR PESTICIDES.

Ventilation: USE VENTILATION ADEQUATE TO MAINTAIN SAFE LEVELS. IF NEEDED, USE LOCAL EXHAUST TO MAINTAIN AIRBORNE CONCENTRATIONS BELOW THE TLV.

Protective Gloves: IMPERVIOUS GLOVES.

Eye Protection: CHEMICAL SAFETY GLASSES, GOGGLES OR FACESHIELD.

O

Other Protective Equipment: THIS PRODUCT IS FIFRA REGULATED. REFER TO PRODUCT LABELING FOR END-USER PERSONAL PROTECTION REQUIREMENTS. WEAR IMPERVIOUS FOOTWEAR, LONG-SLEEVED CLOTHING AND WIDE BRIMMED HAT.

Work Hygienic Practices: REMOVE CONTAMINATED CLOTHING AND WASH BEFORE RE-WEARING. WASH SEPARATELY FROM OTHER LAUNDRY.

Supplemental Safety and Health: AN ADEQUATE SUPPLY OF CLEAN POTABLE WATER SHOULD BE AVAILABLE TO ALLOW THOROUGH FLUSHING OF SKIN AND EYES IN THE EVENT OF CONTACT WITH THIS

IS COMPOUND. \*\*NAME USED ON LABEL: DEMAND CS. PRODUCT USE: A PYRETHROID INSECTICIDE. A MICROENCAPSULATED FORMULATION.

=====

## Physical/Chemical Properties

=====

HCC: T5

Boiling Point: >100.C, 212.F

Vapor Pres: 1.5 X 10E-9 @ 20C

Vapor Density: NO DATA

PH: 7.3

Solubility in Water: DISPERSIBLE

Appearance and Odor: OFF-WHITE LIQUID; SLIGHT ODOR TYPICAL OF AROMATIC PETROLEUM SOLVENT

Percent Volatile

tiles by Volume: NO DATA

Reactivity Data

Stability Indicator: YES

Stability Condition To Avoid: STABLE UNDER NORMAL CONDITIONS.

Materials To Avoid: NONE KNOWN.

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

Hazardous Polymerization Indicator: NO

Conditions To Avoid Polymerization: WILL NOT OCCUR.

Toxicological Information

Toxicological Information: LD 50 INGESTION RAT, > 5000 MG/KG, MATERIAL IS CLASSIFIED AS "VERY LOW TOXICITY" BY INGESTION. IN HUMANS, INGESTION OF SOLVENT MAY CAUSE SEVERE GASTROINTESTINAL DISTURBANCE, CNS DEPRESSION (DROWSINESS , DIZZINESS, LOSS OF COORDINATION, FATIGUE); ASPIRATION OF VOMITUS MAY CAUSE LUNG CONGESTION, LABORED BREATHING, COMA, POSSIBLE DEATH.LC50 INHALATION RAT, > 4.62 MG/L, THIS MATERIAL IS CLASSIFIED AS "MODERATELY TOXIC" BY INHALATION. AT HIGH CONCENTRATIONS, VAPORS OR AEROSOLS OF THE SOLVENT CAN PRODUCE RESPIRATORY AND CNS DEPRESSION, HEADACHE, DIZZINESS & NAUSEA.

Ecological Information

MSDS Transport Information

Transport Information: ROAD TRANSPORT DOT: NOT REGULATED BY DOT.

Regulatory Information

Sara Title III Information: SECTION 313 SUPPLIER NOTIFICATION: THIS PRODUCT CONTAINS THE FOLLOWING TOXIC CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF THE EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW ACTE O F 1986 (EPCRA) AND OF 40 CFR 372: &

It;5% 1,2,4-TRIMETHYLBENZENE (CAS# 95-63-6).

Federal Regulatory Information: EPA REGISTRATION NUMBER: 10182-361. TSCA (TOXIC SUBSTANCE CONTROL ACT) REGULATIONS, 40 CFR 710: THIS PRODUCT IS A PESTICIDE AND IS EXEMPT FROM TSCA REGULATION.

State Regulatory Information: CALIFORNIA PROPOSITION 65: THIS PRODUCT CONTAINS A TRACE AMOUNT OF CRYSTALLINE SILICA, A COMPOUND WHICH IS FOUND ON CALIFORNIA'S PROPOSITION 65 LIST. WHEN USED ACCORDING TO LABEL DIRECTIONS, EXPOSURE IS BELOW THE LEVEL WHI

CH REQUIRES A PROPOSITION 65 WARNING OR POSTING.

Other Information

Other Information: NFPA RATING: HEALTH-2, FIRE-0, REACTIVITY-0.

Transportation Information

Responsible Party Cage: 0X6X4  
Trans ID NO: 156621  
Product ID: DEMAND CS  
MSDS Prepared Date: 07/15/1999  
Review Date  
: 04/12/2001  
MFN: 3  
Multiple KIT Number: 0  
Review IND: Y  
Unit Of Issue: BX  
Container QTY: 0  
Type Of Container: PLASTIC CONTA

Detail DOT Information

DOT PSN Code: ZZZ  
DOT Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION

Detail IMO Information

IMO PSN Code:  
ZZZ  
IMO Proper Shipping Name: NOT REGULATED FOR THIS MODE OF TRANSPORTATION

Detail IATA Information

IATA PSN Code: ZZZ  
IATA Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION

Detail AFI Information

AFI PSN Code: ZZZ  
AFI Proper Shipping Name: NOT REGULATED BY

THIS MODE OF TRANSPORTATION

=====

HAZCOM Label

=====

Product ID: LABEL COVERED UNDER EPA REGS - HAZCOM LABEL NOT AUTHORIZED

=====

Disclaimer (provided with this information by the compiling agencies): This information is formulated for use by elements of the Department of Defense.

The United States of America in no manner whatsoever expressly or implied

warrants, states, or intends said information to have any application, use or viability by or to any person or persons outside the Department of Defense nor any person or persons contracting with any instrumentality of the United States of America and disclaims all liability for such use. Any person utilizing this instruction who is not a military or civilian employee of the United States of America should seek competent professional advice to verify and assume responsi

bility for the suitability of this information to their particular situation regardless of similarity to a corresponding Department of Defense or other government situation.