

ZENECA ZENECA AG PRODUCTS -- DEMAND CS

=====

MSDS Safety Information

=====

FSC: 6840

NIIN: 01-428-6646

MSDS Date: 09/06/1997

MSDS Num: CLJVJ

Product ID: DEMAND CS

MFN: 02

Responsible Party

Cage: 0X6X4

Name: ZENECA INC ZENECA AG PRODUCTS

Address: 1800 CONCORD PIKE

Box: 15438

City: WILMINGTON DE 19897-5438

Info Phone Number: 302-886-3000 / 1553

Emergency Ph

one Number: 302-886-3000/800-327-8633 (MEDICAL)

Resp. Party Other MSDS No.: 0641

=====

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

=====

I

ngredients

=====

Name: *** PROPRIETARY ***

=====

Health Hazards Data

=====

LD50 LC50 Mixture: LD50 INGESTION RAT: > 5000 MG/KG

Effects of Exposure: TARGET ORGANS: N/P. IRRITANT (EYE, SKIN, RESPIRATORY
PASSAGES, SKIN SENSITIZERS). INHALATION (TLV) HARMFUL (ORAL) BASED ON
AROMATIC PETROLEUM SOLVENT - IRRITANT (

SKIN), HARMFUL (CENTRAL NERVOUS SYSTEM DEPRESSION, GASTROINTESTINAL DISTURBANCE). INGESTION: SEVERE GASTROINTESTINAL DISTURBANCE IS ASSOCIATED WITH INGESTION OF HYDROCARBON SOLVENT. INGESTION OF EXCESSIVE QUANTITIES CAN ALSO INDUCE SIGNS OF CENTRAL NERVOUS SYSTEM DEPRESSION (E.G., DROWSINESS, DIZZINESS, LOSS OF COORDINATION, AND FATIGUE). SMALL AMOUNTS OF HYDROCARBON SOLVENT ASPIRATED INTO LUNGS DURING INGESTION OF VOMITING MAY INDUCE SEVERE LUNG CONGESTION, COMA, AND DEATH

Expl

anation Of Carcinogenicity: N/P. CONTAINS <2.0% SILICA, CRYSTALLINE (QUARTZ) CAS 14808-60-7 ().

Signs And Symptions Of Overexposure: LABOR BREATHING, COMA, DEATH, PROBABLY MILDLY IRRITATING TO EYES, MODERATELY SKIN IRRITANT AND MILD SENSITIZER, TINGLING, ITCHING, BURNING, PRICKLING, GLOWING, FLUSHING, NUMBNESS, CHAPPED FEELING. PROBABLY NOT ABSORBED THROUGH SKIN. MODERATELY TOXIC BY INHALATION WITH SYMPTOMS OF HEAD ACHE, DIZZINESS, NAUSEA. INGESTION CAN INDUCE NAUSEA, VOMITING, A

BDOMINAL PAIN, DIARRHEA

Medical Cond Aggravated By Exposure: NO DATA PROVIDED BY MANUFACTURER

First Aid: IF IN EYES: IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. IF REDNESS, ITCHING OR A BURNING SENSATION DEVELOPS, HAVE EYES EXAMINED AND TREATED BY MEDICAL PERSONNEL. IF ON SKIN: WASH MATERIAL OFF THE SKIN WITH PLENTY OF SOAP AND WATER. IF REDNESS, ITCHING/A BURNING SENSATION DEVELOPS, GET MEDICAL ATTENTION. IF SWALLOWED: PROVIDED PATIENT IS CONSCIOUS, GIVE 1 OR 2 GL

ASSES OF WATER TO DRINK. VOMITING SHOULD ONLY BE INDUCED UNDER DIRECTION OF A PHYSICIAN. CALL PHYSICIAN. IF INHALED: REMOVE VICTIM TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS LABORED, GIVE OXYGEN. CONSULT MEDICAL PERSONNEL.

=====
Handling and Disposal

=====
Spill Release Procedures: WEAR SKIN, EYE AND RESPIRATORY PROTECTION DURING CLEANUP. KEEP OUT OF SEW

ERS AND DRAINS. SPREAD CLAY ON SPILL AND SHOVEL INTO AN OPEN DRUM. COVER CONTAMINATED AREAS WITH HOUSEHOLD DETERGENT (TIDE). USE A STIFF BRUSH AND SMALL AMOUNT OF WATER TO FORM A SLUFFY. LET IT STANDS 2-3 MINUTES. SPREAD ABSORBENT ON SLURRY AND SHOVEL MIXTURE INTO OPEN DRUM. HANDLE LARGE SPILLS ACCORDING TO PLAN.

Neutralizing Agent: NO DATA PROVIDED BY MANUFACTURER

Waste Disposal Methods: DO NOT CONTAMINATE WATERWAYS BY CLEANING OF EQUIPMENT OR BY DISPOSAL OF WASTE. UNTREATED EFFLUENT

SHOULD NOT BE DISCHARGED WHERE IT
WILL DRAIN INTO LAKES, STREAMS, PONDS. DISCARDED PRODUCT IS NOT HAZARDOUS
WASTE 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 DISTRIBUTE OR MAKE AVAILABLE, FURNISH OR REUSE EMPTY
CONTAINER EXCEPT FOR STORAGE AND SHIPMENT OF ORIGINAL PRODUCT. REMOVE ALL
PRODUCT RESIDUE FROM CONTAINER AND PUNCTURE OR OTHERWISE DESTROY EMPTY
CONTAINER BEFORE DISPOSAL.

=====

Fire and Explosion Hazard Information

=====

Flash Point Method: SCC
Flash Point: >100.C, 212.F
Autoignition Temperature: N/A
Lower Limits: NO DATA
Upper Limits: NO DATA
Extinguishing Media: FOAM, CARBON DIOXIDE, DRY CHEMICAL, HALOGENATED AGENTS.
Fire Fighting Procedures: WEAR SELF-CONTAINED BREATHING APPARATUS WITH FULL
FACEPIECE AND PROTECTIVE CLOTHING. HIGH PRESSURE WATER HOSE MAY SPREAD
PRODUCT FROM BROKEN CONTAINERS INCREASING CONTAMINATION OR FIRE HAZARD.
CONTAMINATED BUILDING AND EQUIPMENT MUST NOT BE USED UNTIL THEY ARE PROPERLY
DECONTAMINATED. KEEP RUN OFF FROM ENTERING DRAINS

Unusual
Fire/Explosion Hazard: IN A FIRE SITUATION, THE PRODUCT MAY SUPPORT
COMBUSTION AFTER ITS WATER CONTENT HAS BOILED OFF. HEATING WILL GENERATE
TOXIC VAPORS. IF NOT LEAKING, KEEP FIRE-EXPOSED CONTAINERS COOL WITH A WATER
SPRAY TO PREVENT RUPTURE DUE TO EXCESSIVE HEAT.

=====

Control Measures

=====

Respiratory Protection: IF NEEDED, USE MSHA/NIOSH APPROVED RESPIRATOR FOR
PESTICIDES.
Ventilation: IF NEEDED USE LOCAL EXHAUST VENTILATION TO KEEP AIRBORNE
CONCENTRATION BELOW TLV.
Protective Gloves: IMPERVIOUS GLOVES.
Eye Protection: CHEMICAL SAFETY GLASSES, GOGGLES OR A FACESHIELD
Other Protective Equipment: AN ADEQUATE SUPPLY OF CLEAN POTABLE WATER SHOULD BE
AVAILABLE TO ALLOW THOROUGH FLUSHING OF SKIN AND EYES IN EVENT OF CONTACT
WITH THIS COMPOUND. FOOTWEAR, LONG SLEEVED CLOTHING AND WIDE BRIMMED HAT.
Work Hygienic Practices: REMOVE CONTAMINATED CLOTHING AND WASH BEFORE

REWEARING. WASH SEPARATELY FROM OTHER LAUNDRERY.

Supplemental Safety and Health: NONE

Physical/Chemical Properties

HCC: T5

Boiling Point: >100.C, 212.F

Vapor Pres: 1.5X10(-9)

Vapor Density: NO DATA

Spec Gravity: 1.036

PH: 5-6

Solubility in Water: DISPERSIBLE

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

Percent Volatiles by Volume: N
O DATA

Reactivity Data

Stability Indicator: YES

Stability Condition To Avoid: STABLE UNDER NORMAL CONDITIONS.

Materials To Avoid: NONE KNOWN.

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

Hazardous Polymerization Indicator: NO

Conditions To Avoid Polymerization: NO DATA PROVIDED BY
MANUFACTURER

Toxicological Information

Toxicological Information: NO DATA PROVIDED BY MANUFACTURER

Ecological Information

Ecological: NO DATA PROVIDED BY MANUFACTURER

MSDS Transport Information

Transport Information: NO DATA PROVIDED BY MANUFACTURER

Regulatory Information

Sara Title III Information: THIS PRODUCT CONTAINS THE FOLLOWING TOXIC CHEMICALS
SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF THE EMERGENCY
PLANNING AND COMMUNITY RIGHT-TO-KNOW ACT OF 1986 AND 40 CFR PART 372:
<5.0% 1, 2,4-TRIMETHYLBENZENE (CAS# 95-63-6).

Federal Regulatory Information: THIS PRODUCT IS A PESTICIDE AND EXEMPT FROM TSCA REGULATION.

State Regulatory Information: CALIFORNIA PROPOSITION 65: WARNING! THIS PRODUCT CONTAINS A CHEMICAL KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER: <0.2% SILICA, CRYSTALLINE (QUARTZ) (CAS# 14808-60-7).

Other Information

Other Information: EPA REGISTRATION NUMBER: 10182-361.

Transportation Information

Responsible Party Cage: 0X6X4
Trans ID NO: 158485
Product ID: DEMAND CS
MSDS Prepared Date: 09/06/1997
Review Date: 08/24/2001
MFN: 2
Net Unit Weight: 4 LBS/BX
Multiple KIT Number: 0
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 Un

ited

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