## DOD Hazardous Material Information (ANSI Format)

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Section 1 - Product and Company Identification

Product Identification: DEMAND CS
Date of MSDS: 11/25/1998 Technical Review Date: 10/15/1999
FSC: 6840 NIIN: 01-428-6646
Submitter: D DG
Status Code: A
MFN: 01
Article: N
Kit Part: N

Manufacturer's Information

Manufacturer's Name: ZENECA INC ZENECA AG PRODUCTS
Post Office Box: 15438
Manufacturer's Address1: 1800 CONCORD PIKE
Manufacturer's Address2: WILMINGTON, DE 19897-5438
Manufacturer's Country: US
General Information Telephone: 302-886-3000 / 1553
Emergency Telephone: 302-886-3000/800-327-8633 (MEDICAL)
Other Number for MSDS Information: US004666-01
Emergency Telephone: 302-886-3000/800-327-8633 (MEDICAL)
MSDS Preparer's Name: N/P
Chemtec Telephone: (800)424-9300
Proprietary: N
Reviewed: N
Published: Y
CAGE: 0X6X4
Special Project Code: N

Item Description

Item Name: INSECTICIDE,LAMBDA-CYHALOTHIRN
Item Manager: S9G
Specification Number: NONE
Type/Grade/Class: NONE
Unit of Issue: BX Quantitative Expression: 0000000008EA
Unit of Issue Quantity: 0
Type of Container: PLASTIC CONTA

Contractor Information
DEMAND CS

Contractor's Name: EHRLICH J C CHEMICAL CO INC
Contractor's Address1: 500 SPRING RIDGE DR
Contractor's Address2: READING, PA 19612-3848
Contractor's Telephone: 610-372-9700/FAX: 610-378-9744
Contract Number: SP0450-99-M-NG38
Contractor's CAGE: 8C885

Contractor Information

Contractor's Name: GOURMET INQUE LTD
Contractor's Address1: 191 STANLEY ST
Contractor's Address2: ELK GROVE VILLAGE, IL 60007-1555
Contractor's Telephone: 847-296-6192/FAX: 800-542-1042
Contract Number: SP0450-99-M-ND44
Contractor's CAGE: 0TNN7

Contractor Information

Contractor's Name: ZENECA INC ZENECA AG PRODUCTS
Post Office Box: 15438
Contractor's Address1: 1800 CONCORD PIKE
Contractor's Address2: WILMINGTON, DE 19897-5438
Contractor's Telephone: 302-886-3000 / 1553
Contractor's CAGE: 0X6X4

Section 2 - Composition/Information on Ingredients

DEMAND CS

Ingredient Name: LAMBDA-CYHALOTHРИN TECHNICAL
Ingredient CAS Number: 91465-08-6 Ingredient CAS Code: M
RTECS Number: GZ1227780 RTECS Code: M
=WT: 9.7 =WT Code: M
=Volume: =Volume Code:
>WT: >WT Code:
>Volume: >Volume Code:
<WT: <WT Code:
<Volume: <Volume Code:
% Low WT: % Low WT Code:
% High WT: % High WT Code:
% Low Volume: % Low Volume Code:
% High Volume: % High Volume Code:
% Text:

http://msds.pdc.cornell.edu/msds/msdsdod/a187/m93229.htm (3 of 12) [2/10/03 10:12:31 AM]
% Environmental Weight:
Other REC Limits: NONE RECOMMENDED
OSHA PEL: NOT ESTABLISHED OSHA PEL Code: M
OSHA STEL: N/P OSHA STEL Code:
ACGIH TLV: NOT ESTABLISHED ACGIH TLV Code: M
ACGIH STEL: N/P ACGIH STEL Code:
EPA Reporting Quantity:
DOT Reporting Quantity:
Ozone Depleting Chemical:

Ingredient Name: OTHER INGREDIENTS INCLUDING 1,2,4-TRIMETHYLBENZENE (CAS 95-63-6); <5% AND SILICA, CRYSTALLINE (QUARTZ) CAS 14808-60-7; <2%
Ingredient CAS Number: Ingredient CAS Code: X
RTECS Number: RTECS Code: X
=WT: 90.3 =WT Code: M
=Volume: =Volume Code:
>WT: >WT Code:
>Volume: >Volume Code:
<WT: <WT Code:
<Volume: <Volume Code:
% Low WT: % Low WT Code:
% High WT: % High WT Code:
% Low Volume: % Low Volume Code:
% High Volume: % High Volume Code:
% Text:

% Environmental Weight:
Other REC Limits: NONE RECOMMENDED
OSHA PEL: NOT ESTABLISHED OSHA PEL Code: M
OSHA STEL: N/P OSHA STEL Code:
ACGIH TLV: NOT ESTABLISHED ACGIH TLV Code: M
ACGIH STEL: N/P ACGIH STEL Code:
EPA Reporting Quantity:
DOT Reporting Quantity:
Ozone Depleting Chemical:

Section 3 - Hazards Identification, Including Emergency Overview
DEMAND CS

Health Hazards Acute & Chronic: 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

**Signs & Symptoms 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 HEADACHE, DIZZINESS, NAUSEA. INGESTION CAN INDUCE NAUSEA, VOMITING, ABDOMINAL PAIN, DIARRHEA

**Medical Conditions Aggravated by Exposure:**
N/P

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

**Route of Entry Indicators:**
- **Inhalation:** N/P
- **Skin:** N/P
- **Ingestion:** N/P

**Carcinogenicity Indicators**
- **NTP:** N/P
- **IARC:** N/P
- **OSHA:** N/P

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

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**Section 4 - First Aid Measures**

**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 GLASSES OF WATER TO DRINK. VOMITING SHOULD ONLY BE INDUCED UNDER DIRECTION OF A PHYSICIAN. CALL PHYSICIAN. IF INHALED: REMOVE
DEMAND CS

VICTIM TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS LABORIED, GIVE OXYGEN. CONSULT MEDICAL PERSONNEL.

Section 5 - Fire Fighting Measures

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 or 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.

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

Flash Point: >100.C, 212.F

Autoignition Temperature:
Autoignition Temperature Text: N/DATA
Lower Limit(s): NO DATA
Upper Limit(s): NO DATA

Section 6 - Accidental Release Measures

Spill Release Procedures:
WEAR SKIN, EYE AND RESPIRATORY PROTECTION DURING CLEANUP. KEEP OUT OF SEWERS 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 SLURRY. LET IT STANDS 2-3 MINUTES. SPREAD ABSORBENT ON SLURRY AND SHOVEL MIXTURE INTO OPEN DRUM. HANDLE LARGE SPILLS ACCORDING TO PLAN.

Section 7 - Handling and Storage

Handling and Storage Precautions:
Other Precautions:

Section 8 - Exposure Controls & Personal Protection

**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.

**Work Hygienic Practices:** REMOVE CONTAMINATED CLOTHING & WASH BEFORE REWEARING. WASH SEPARATELY FROM OTHER LAUNDRY.

**Supplemental Health & Safety Information:** NONE

Section 9 - Physical & Chemical Properties

**HCC:** T5

**NRC/State License Number:** N/R

**Net Property Weight for Ammo:** N/R

**Boiling Point:** >100.C, 212.F

**Melting/Freezing Point:** Melting/Freezing Text: N/P

**Decomposition Point:** Decomposition Text: N/P

**Vapor Pressure:** N/P

**Vapor Density:** NO DATA

**Percent Volatile Organic Content:**

**Specific Gravity:** 1.036

**Volatile Organic Content Pounds per Gallon:**

**pH:** 7.3

**Volatile Organic Content Grams per Liter:**

**Viscosity:** NP

**Evaporation Weight and Reference:** NP

**Solubility in Water:** DISPERSIBLE

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

**Percent Volatiles by Volume:** NO DATA

**Corrosion Rate:** NP
Section 10 - Stability & Reactivity Data

Stability Indicator: YES
Materials to Avoid: NONE KNOWN.
Stability Condition to Avoid: STABLE UNDER NORMAL CONDITIONS.
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: N/P

Section 11 - Toxicological Information

Toxicological Information:
LD50 INGESTION RAT (BOTH GENDERS) > 5000 MG/KG; VERY LOW TOXICITY BY INGESTION. LC50 INHALATION RAT > 4.62 MG/L, 4 HOURS; MODERATELY TOXIC BY INHALATION. LD50 SKIN ABSORPTION RAT (BOTH GENDERS) > 2000 MG/KG; SYSTEMICALLY TOXIC CONCENTRATIONS OF THIS PRODUCT WILL PROBABLY NOT BE ABSORBED THROUGH HUMAN SKIN.

Section 12 - Ecological Information

Ecological Information: N/P

Section 13 - Disposal Considerations

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.

Section 14 - MSDS Transport Information
Transport Information:
NOT REGULATED BY DOT.

Section 15 - Regulatory Information

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

Federal Regulatory Information:
TSCA (TOXIC SUBSTANCES CONTROL ACT) REGULATIONS, 40CFR 710: THIS PRODUCT IS A PESTICIDE AND IS EXEMPT FROM TSCA REGULAITON. EPA: EPA REGISTRATION NO.: 10182-361

State Regulatory Information:
CALIFORNIA PROPOSITION 65: WARNING. THIS PRODUCT CONTAINS A CHEMICAL KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER. <2.0% SILICA, CRYSTALLINE (QUARTZ) CAS 14808-60-7

Section 16 - Other Information

Other Information:
MEDICAL ADVICE: INDUCED EMESIS MAY BE INDICATED IN THE ALERT PATIENT WHO HAS INGESTED A LARGE (INTENTIONAL) QUANTITY. LAVAGE MAY BE INDICATED FOR THE PATIENT WHO HAS INGESTED SUCH A LARGE DOSE. HYDROCARBON PNEUMONITIS IS A RISK IF THIS PRODUCT IS ASPIRATED.

HMIS Transportation Information

Product Identification: DEMAND CS
Transportation ID Number: 149266
Responsible Party CAGE: 0X6X4
Date MSDS Reviewed: 10/15/1999
MFN: 10/15/1999
Submitter: D DG
Status Code: A

Container Information
Unit of Issue: BX
Container Quantity: 0
Type of Container: PLASTIC CONTA
Net Unit Weight: 4.17LBS/BOX
DEMAND CS

Article without MSDS: N
Technical Entry NOS Shipping Number: 
Radioactivity: N/A
Form: 
Net Explosive Weight: N/A
Coast Guard Ammunition Code: N/A
Magnetism: N/A
AF MMMAC Code: 
DOD Exemption Number: N/A
Limited Quantity Indicator: N
Multiple Kit Number: 0
Kit Indicator: N
Kit Part Indicator: N
Review Indicator: N
Additional Data: 

Department of Transportation Information
DOT Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION
DOT PSN Code: ZZZ
Symbols: N/R
DOT PSN Modifier: 
Hazard Class: N/R
UN ID Number: N/R
DOT Packaging Group: N/R
Label: N/R
Special Provision(s): N/R
Packaging Exception: N/R
Non Bulk Packaging: N/R
Bulk Packaging: N/R
Maximum Quantity in Passenger Area: N/R
Maximum Quantity in Cargo Area: N/R
Stow in Vessel Requirements: N/R
Requirements Water/Sp/Other: N/R

IMO Detail Information
IMO Proper Shipping Name: NOT REGULATED FOR THIS MODE OF TRANSPORTATION
IMO PSN Code: ZZZ
IMO PSN Modifier: 
IMDG Page Number: N/R
UN Number: N/R
UN Hazard Class: N/R
IMO Packaging Group: N/R
Subsidiary Risk Label: N/R
EMS Number: N/R
Medical First Aid Guide Number: N/R

IATA Detail Information

IATA Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION
IATA PSN Code: ZZZ
IATA PSN Modifier:
IATA UN Id Number: N/R
IATA UN Class: N/R
Subsidiary Risk Class: N/R
UN Packaging Group: N/R
IATA Label: N/R
Packaging Note for Passengers: N/R
Maximum Quantity for Passengers: N/R
Packaging Note for Cargo: N/R
Maximum Quantity for Cargo: N/R
Exceptions: N/R

AFI Detail Information

AFI Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION
AFI Symbols:
AFI PSN Code: ZZZ
AFI PSN Modifier:
AFI UN Id Number: N/R
AFI Hazard Class: N/R
AFI Packing Group: N/R
AFI Label: N/R
Special Provisions: N/A
Back Pack Reference: N/A

HAZCOM Label Information

Product Identification: LABEL COVERED UNDER EPA REGS - HAZCOM LABEL NOT AUTHORIZED
CAGE:
Assigned Individual:
Company Name:
Company PO Box:
Company Street Address1:
Company Street Address2:
Health Emergency Telephone:
Label Required Indicator:
Date Label Reviewed:
Status Code:
Manufacturer's Label Number:
Date of Label:
Year Procured:
DEMAND CS

Organization Code:
Chronic Hazard Indicator:
Eye Protection Indicator:
Skin Protection Indicator:
Respiratory Protection Indicator:
Signal Word:
Health Hazard:
Contact Hazard:
Fire Hazard:
Reactivity Hazard:

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