

## **CYGON 400 SYSTEMIC INSECTICIDE-MITICIDE**

### **MSDS Number**

BZRQM

### **National Stock Number**

6840-00N065929

### **Product Name**

CYGON 400 SYSTEMIC INSECTICIDE-MITICIDE

### **Manufacturer**

AMERICAN CYANAMID

### **Product Identification**

Product ID: CYGON 400 SYSTEMIC INSECTICIDE-MITICIDE

MSDS Date: 04/26/1990

FSC: 6840

NIIN: 00N065929

MSDS Number: BZRQM

### **Responsible Party**

AMERICAN CYANAMID

1 CYANAMID PLAZZA

WAYNE , NJ 07470

US

Emergency Phone: 201-835-3100

Info Phone: 201-835-3100

Cage: 06404

### **Contractor**

AMERICAN CYANAMID CO LEDERLE LABORATORIES DIV

PARSIPPANY, NJ 07054-4404

US

973-683-2000

Cage: 06404

### **Ingredients**

PHOSPHORODITHIOIC ACID, O,O-DIMETHYL ESTER, S-ESTER WITH

CAS: 60-51-5

RTECS: TE1750000

Fraction By Weight: 43.5%

OSHA PELN/K

ACGIH TLV: N/K

EPA Report Quantity: 10 LBS

DOT Report Quantity: 10 LBS

313F,156C

CAS: 108-94-1

RTECS: GW1050000

Fraction By Weight: 35-40%

OSHA PEL50 PPM, S

ACGIH TLV: 25 PPM, S

EPA Report Quantity: 5000 LBS

DOT Report Quantity: 5000 LBS

GASOLINE; (PETROLEUM DISTILLATE)

CAS: 8006-61-9

RTECS: LX3300000

Fraction By Weight: 8.5%

OSHA PEL300 PPM

ACGIH TLV: 300 PPM; 500 STEL

EQUIP AS SPECIFIED. DECONTAM EMER PERS

RTECS: 9999999ZZ

DUSTS, VAPS & FUMES FROM BURNING MATLS. ALERT MED

RTECS: 9999999ZZ

RUN-OFF WATER - IF WATER ENTERS DRAINAGE SYS, ADVISE

RTECS: 9999999ZZ

TO KEEP CNTNRS COOL. FIGHT FIRE FROM MAX DISTANCE.

RTECS: 9999999ZZ

INTAKE FROM TEST GROUP; REDUCTION IN

RTECS: 9999999ZZ

EGG SHELL THICKNESS; & REDUCTION IN BODY WT OF TEST

RTECS: 9999999ZZ

BY INTUBATION. IF SIGNS/SYMPS OF

RTECS: 9999999ZZ

EVERY 10 MIN UNTIL FULLY ATROPINIZED. OBSERVE FOR AT

RTECS: 9999999ZZ

ARE CONTRAINDICATED. PRALIDOXIME CHLORIDE (2 PAM

RTECS: 9999999ZZ

ATROPINE. USE ACCDG TO LABEL DIRECTIONS. BECAUSE OF

RTECS: 9999999ZZ

OF CHLORINATED OR AROMATIC HYDROCARBS, VOMITING

RTECS: 9999999ZZ

COMBUST LIQS. TO PVNT FREEZING, DO NOT STORE

RTECS: 9999999ZZ

LAUNDER CLTHG BEFORE REUSE. ESTABLISH WHOLE

RTECS: 9999999ZZ

PLACES. FOR END-USERS, PLEASE REFER TO PRODUCT

RTECS: 9999999ZZ

## Hazards

LD50 LC50 Mixture:LD50: (ORAL, RAT) 714.6 MG/KG  
 Routes of Entry: Inhalation:NO Skin:YES Ingestion:YES  
 Reports of Carcinogenicity:NTP:NO IARC:YES OSHA:NO  
 Health Hazards Acute and Chronic:ACUTE: HARMFUL OR FATAL IF SWALLOWED.  
 CONCENTRATED MATERIAL CAUSES EYE IRRITATION. VAPOR HARMFUL. PROD IS  
 CONSIDERED MOD TO SLIGHTLY TOX BY INGEST IN SINGLE DOSES & SLIGHTLY  
 TOX BY SINGLE SKIN APPLICA TNS. CHRONIC TOX: NO TERATOGENIC/FETOTOX  
 EFTS FOUND AT ALL DOSE LEVELS TESTED IN RATS & RABBITS. IN (EFTS OF  
 OVEREXP)  
 Explanation of Carcinogenicity:GASOLINE: IARC MONOGRAPH ON EVALUATION  
 OF CARCINOGENIC RISK OF CHEMICALS TO MAN, VOL 45, PG 159, 1989:  
 GROUP 2B.  
 Effects of Overexposure:HLTH HAZ: SIMILAR STUDY W/CATS THERE WAS INCR  
 IN OCCURRENCE OF POLYDACTYL @ 12 MG/KG/DAY. NO OBSERVABLE EFT LIM  
 ESTAB BY STUDY IS 6 MG/KG/DAY. ONE GENERATION REPRO STUDY  
 W/BOBWHITE QUAIL SHOWED NO CAR CIN LESIONS BUT DID SHOW EFTS FROM  
 DIMETHOATE:DECR IN SURVIVAL RATE IN FIRST 14 DAYS; REDUCTION OF  
 FOOD (ING 8)  
 Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

## First Aid

First Aid:EYES: HOLD LIDS OPEN & FLUSH W/STEADY, GENTLE STREAM OF WATER  
 FOR AT LEAST 15 MIN. GET MED ATTN. SKIN: WASH IMMED W/PLENTY OF  
 SOAP & WATER. GET MED ATTN. INGEST: DO NOT INDUCE VOMIT. GET MED  
 ATTN. INH AL: REMOVE TO FRESH AIR. IF BRTHG IS DFCLT, ADMIN OXYGEN  
 & SEE MD PROMPTLY. NOTE TO MD: PROD MAY CAUSE CHOLINESTERASE  
 INHIBITION. ATROPINE IS ANTIDOTAL. IF RECENTLY INGESTED EVACUATE  
 STOM (ING 10)

## Fire Fighting

Flash Point Method:CC  
 Flash Point:129F,54C  
 Extinguishing Media:USE WATER, ALCOHOL FOAM, DRY CHEMICAL OR CARBON  
 DIOXIDE TO EXTINGUISH FIRES.  
 Fire Fighting Procedures:USE NIOSH/MSHA APPRVD SCBA & FULL PROT EQUIP.  
 KEEP UNNEC PEOPLE AWAY. USE AS LITTLE WATER AS POSS. DIKE AREA OF  
 FIRE TO PVNT PESTICIDE RUN-OFF. (SUPDAT)  
 Unusual Fire/Explosion Hazard:NONE SPECIFIED BY MANUFACTURER.

## Accidental Release

Spill Release Procedures:WEAR PROTECTIVE EQUIPMENT. ABSORB SPILL WITH  
 CLAY OR SAWDUST. SHOVEL INTO METAL CONTAINER FOR DISPOSAL. FLUSH  
 AREA WITH LIQUID CHLORINE BLEACH AND WATER.  
 Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

## Handling

Handling and Storage Precautions: DO NOT CONTAM WATER, FOOD/FEED BY STORAGE/DISP. STORE IN SECURE, DRY, WELL-VENT SEPARATE ROOM, BLDG/COVERED AREA. NOT FOR USE/STORAGE IN/AROUND HOME.  
Other Precautions: KEEP AWAY FROM SOURCES OF IGNIT & PROTECT FROM EXPOS TO FIRE & HEAT. SEGREGATE FROM OXIDIZERS & INCOMPAT MATLS. BECAUSE OF MATL'S FL PT, AREAS CONTAINING THIS MATL SHOULD CONFORM TO CODES SUCH AS NFPA 30 & 70, GOVERNING CLASS II (ING 15)

## Exposure Controls

Respiratory Protection: WEAR A NIOSH/MSHA APPROVED PESTICIDE RESPIRATOR WHEN EXPOSURE TO VAPOR OR MIST COULD OCCUR.  
Ventilation: HANDLE THIS MATERIAL IN A WELL VENTILATED AREA.  
Protective Gloves: RUBBER GLOVES.  
Eye Protection: ANSI APPRVD CHEM WORKERS GOGGLES .  
Other Protective Equipment: ANSI APPROVED EYE WASH & DELUGE SHOWER .  
WEAR PROTECTIVE COVERALL CLOTHING TO PREVENT EXPOSURE.  
Work Hygienic Practices: WASH THORO W/SOAP & WATER BEFORE EATING & SMKNG. SHOWER AT END OF EACH WORKING DAY & CHANGE OUTER CLTHG. (ING 16)  
Supplemental Safety and Health  
PH: 2.6 (3% DISPERSION). FIRE FIGHT PROC: USE SPRAY/FOG - SOLID STREAM MAY CAUSE SPREADING. CONDUCT FIRE FIGHT & RESCUE OPERATIONS FROM UPWIND OF FIRE AREA. EVACUATE PEOPLE DOWNWIND WHO MAY COME IN CN TCT W/SMOKE, FUMES OR CONTAMD SURFS. DONOT DECONTAM PERS/EQUIP OR HANDLE BROKEN PACKAGES/CNTNRS W/OUT PROT (ING 4)

## Chemical Properties

Boiling Pt: B.P. Text: SEE ING 2  
Vapor Pres: 26 @ 25C  
Vapor Density: 4  
Spec Gravity: 1.1  
pH: SUPDAT  
Evaporation Rate & Reference: 0.13 (BUTYL ACETATE=1)  
Solubility in Water: EMULSIFIES  
Appearance and Odor: CLEAR, COLORLESS TO LIGHT-YELLOW LIQUID; SLIGHT MERCAPTAN ODOR.  
Percent Volatiles by Volume: 50

## Stability

Stability Indicator/Materials to Avoid: YES  
THIS PRODUCT IS UNSTABLE IN ALKALINE MEDIA.  
Stability Condition to Avoid: PH 7. DO NOT STORE AT TEMPERATURES GREATER THAN 48C (120F) OR LESS THAN 7.2C (45F).  
Hazardous Decomposition Products: COMBUSTION MAY PRODUCE OXIDES OF CARBON, NITROGEN, PHOSPHORUS AND SULFUR.

## Disposal

Waste Disposal Methods: DISPOSE IN ACCORD WITH LOCAL, STATE AND FEDERAL REGULATIONS.

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