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Product Identification
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Product ID:CYTHION ULV INSECTICIDE

MSDS Date:04/20/1992

FSC:6840

NIIN:00-926-1481

MSDS Number: BSHLC

=== Responsible Party ===

Company Name:AMERICAN CYANAMID CO CHEMICAL LIGHT DEPT

Address:ONE CYANAMID PLAZA

City:WAYNE

State:NJ

ZIP:07470-4028

Country:US

Info Phone Num:201-831-2000

Emergency Phone Num:201-831-2000

CAGE:83289

=== Contractor

Identification ===

Company Name:AMERICAN CYANAMID CO CYTEC INDUSTRIES DIV CHEMICAL LIGHT
DEP

Address:5 GARRET MOUNTAIN PLZ

Box:City:LITTLE FALLS

State:NJ

ZIP:07424

Country:US

Phone:201-831-2000/201-357-3100

CAGE:83289

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Composition/Information on Ingredients
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Ingred Name:MALATHION (SARA III)

CAS:121-75-5

RTECS #:WM8400000

Fraction by Wt: 95-97% %

Other REC Limits:NONE RECOMMENDED

OSHA PEL:S, 15 MG/M3

ACGIH TLV:S, 10 MG/M3; 9394

EPA Rpt Qty:100 LBS

DOT Rpt Qty:10

0 LBS

Ingred Name:NON HAZARDOUS INGREDIENTS

Fraction by Wt: BALANCE

Other REC Limits:NONE RECOMMENDED

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

LD50 LC50 Mixture:LD50 ORAL = 5500 MG/KG (RATS)

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:PRODUCT IS A CHOLINESTERASE INHIBITOR
OF LOW MAMMALIAN TOXICITY. INEXPEDIENT STORAGE MAY INDUCE FORMATION
OF MORE TOXIC AND SYN

ERGISTIC CONTAMINANT ISOMALATHION. REPEATED

EXPOSURE TO CHOLINESTERASE IN HIBITORS SUCH AS ISOMALATHION MAY,
WITHOUT WARNING, CAUSE INCREASED SUSCEPTIBILITY TO DOSES OF ANY
CHOLINESTERASE INHIBT

Explanation of Carcinogenicity:THIS COMPOUND CONTAINS NO INGREDIENTS AT
CONCENTRATIONS OF 0.1% OR GREATER THAT ARE CARCINOGENS OR SUSPECT
CARCINOGENS.

Effects of Overexposure:WEAKNESS, HEADACHE, TIGHTNESS OF THE CHEST,
BLURRED VISION, NONREACTIVE PINPOINT PUPILS, SALIVATION, SWETI
NG,

NAUSEA, VOMITING, DIARRHEA AND ABDOMINAL CRAMPS.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:INHALATION: REMOVE FROM EXPOSURE. RESTORE BREATHING. KEEP
WARM AND QUIET. GET MEDICAL ATTENTION. SKIN: WASH AFFECTED AREA
THOROUGHLY WITH SOAP AND WATER. IF IRRITATION PERSISTS, GET MEDICAL
ATTENTION. EYES: FLUSH WITH LARGE AMOUNTS OF WATER FOR 15 MINUTES.
GET MEDICAL ATTENTION

. INGESTION: DRINK TWO LARGE GLASSES OF WATER.

INDUCE VOMITING BY TOUCHING BACK OF THROAT. OBTAIN IMMEDIATE
MEDICAL CARE.

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===== Fire Fighting Measures =====

Flash Point Method:PMCC

Flash Point:>325F,>163C

Lower Limits:NOT GIVEN

Upper Limits:NOT GIVEN

Extinguishing Media:WATER, FOAM, DRY CHEMICAL, CARBON DIOXIDE

Fire Fighting Procedures:FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA &
FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE.

DECONTAM

INATE PERSONNEL WITH SOAP AND WATER.

Unusual Fire/Explosion Hazard:CYTHION WILL DECOMPOSE AND EXPLOSION WILL OCCUR. REACTIONS INVOLVE REARRANGEMENTS AND POLYMERIZATION RELEASING VOLATILE, TOXIC, MALODOROUS, INFLAMMABLES.

===== Accidental Release Measures =====

Spill Release Procedures:WEAR RUBBER BOOTS, GLOVES, SPLASH GOGGLES. ABSORB SPILLED MATERIAL WITH CLAY OR SODA ASH. SWEEP UP AND PLACE IN CLOSED CONTAINER. TREAT CONTAMINATED AREA WITH FULL STRENGTH

LIQUID CHLORINE BLEACH; LET STAND 15 MINUTES AND REPEAT PROCEDURE.FLUSH

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

===== Handling and Storage =====

Handling and Storage Precautions:DO NOT CONTAMINATE FOOD, WATER OR FEED BY STORAGE OR DISPOSAL. STORE IN SECURE, DRY, WELL-VENTILATED SEPARATE ROOM, BUILDING OR COVERED AREA.

Other Precautions:NOT FOR USE OR STORAGE IN HOME. KEEP AWAY FROM SOURCES OF IGNITION AND PROTECT FROM EXPOSURE TO FIRE AND HEAT.

SEGREGATE FROM OXIDIZERS AND INCOMPATIBLE MATERIALS.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:IF VENTILATION DOES NOT MAINTAIN INHALATION EXPOSURES BELOW PEL (TLV), USE NIOSH/MSHA APPROVED RESPIRATOR AS PER CURRENT 29 CFR 1910.134, INSTRUCTIONS/WARNINGS AND NIOSH RESPIRATOR SELECTION.

Ventilation:LOCAL EXHAUST AND MECHANICAL (GENERAL) VENTILATION TO MAINTAIN EXPOSURE LEVELS.

Protective Gloves:RUBBER

Eye

Protection:CHEMICAL SPLASH GOGGLES

Other Protective Equipment:RUBBER APRON AND BOOTS, A LONG-SLEEVED SHIRT AND FULL LENGTH PANTS OR COVERALLS.

Work Hygienic Practices:WASH WITH SOAP AND WATER AFTER HANDLING PRODUCT AND BEFORE EATING DRINKING OR SMOKING.

Supplemental Safety and Health

ADMINISTER A BLOOD CHOLINESTERASE PROGRAM AT WORKPLACE.

===== Physical/Chemical Properties =====

HCC:T5

Boiling Pt:B.P. Text:313F,156C

Melt/Freeze Pt:M.P/F.P Text:37.1F,2.9C

De

comp Temp:Decomp Text:130F,54C

Vapor Pres:.0000034

Vapor Density:11.4

Spec Gravity:1.23

pH:7

Viscosity:32.57 CS

Evaporation Rate & Reference:NEGLIGIBLE

Solubility in Water:SLIGHT

Appearance and Odor:COLORLESS TO PALE YELLOW LIQUID WITH A SLIGHTLY AROMATIC ODOR

Percent Volatiles by Volume:NIL

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

STRONG BASE, STRONG OXIDIZERS

Stability Condition to Avoid:NEVER HEAT ABOVE 130F. AVOI

D LOCAL HEATING

ABOVE THIS TEMPERATURE.

Hazardous Decomposition Products:HYDROGEN SULFIDE, METHYL MERCAPTAN, DIMETHYL SULFIDE, OXIDES OF CARBON, SULFUR, PHOSPHORUS.

===== Disposal Considerations =====

Waste Disposal Methods:PREVENT WASTE FROM CONTAMINATING SURROUNDING ENVIRONMENT. DISCARD ANY PRODUCT, RESIDUE, DISPOSAL CONTAINER OR LINER IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS.

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