

AMERICAN CYANAMID CO CHEMICAL LIGHT DEPT -- CYTHION ULV INSECTICIDE --  
6840-00-926-1481

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===== Product Identification =====

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 =====

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:100 LBS

Ingred Name:NON HAZARDOUS INGREDIENTS  
Fraction by Wt: BALANCE  
Other REC Limits:NONE RECOMMENDED

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Hazards Identification  
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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. I  
NEXPEDIENT STORAGE MAY INDUCE FORMATION  
OF MORE TOXIC AND SYNERGISTIC 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, SWETING,  
NAUSEA, VOMITING, DIARRHEA AND ABDOMINAL CRAMPS.  
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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First Aid Measures  
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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  
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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 &  
FU

LL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE.

DECONTAMINATE 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.  
E 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  
Decomp 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 O  
XIDIZERS

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