

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

=====
===== 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

=====
===== 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/M

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

=====
===== 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. IN

EXPEDIENT 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.

=====
===== 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.

=====
===== 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 &
FUL

L 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. 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 OX
IDIZERS
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.

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 this information to be accurate and
disclaims all liability for its use. Any person utilizing this
document should seek competent professional advice to verify and
assume responsibility for the suitability of this information to their
particular situation.