

CHEMINOVA,INC -- FYFANON ULV CONCENTRATE INSECTICIDE -- 6840-00-926-1481

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Product Identification
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Product ID:FYFANON ULV CONCENTRATE INSECTICIDE

MSDS Date:01/01/1995

FSC:6840

NIIN:00-926-1481

Status Code:A

MSDS Number: CJKRR

=== Responsible Party ===

Company Name:CHEMINOVA,INC

Address:OAK HILL PARK,1700 RT 23,SUITE 210

City:WAYNE

State:NJ

ZIP:07470

Country:US

Info Phone Num:201-305-6600

Emergency Phone Num:800-228-5835X153 INTL(+45)97835353

Resp. Party Other MSDS Num.:300

Chemtrec Ind/Phone:(800)424-9300

CAGE:1DRK6

=== Contractor Identification ===

Company Name:CHEMINOVA AGRO A/S

Box:9

City:DK-7620 LEMVIG, DENMARK

Phone:201-305-6600/DENMARK:(+45)97835353

CAGE:CHEMN

Company Name:CHEMINOVA,INC

Address:OAK HILL PARK,1700 RT 23,SUITE 210

Box:City:WAYNE

State:NJ

ZIP:07470

Country:US

Phone:201-305-6600/INTL +45 97835353

CAGE:1DRK6

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Composition/Information on Ingredient
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ts =====

Ingred Name: MALATHION
CAS: 121-75-5
RTECS #: WM8400000
Minimum % Wt: 96.
Maximum % Wt: 97.
OSHA PEL: 15 MG/M3
ACGIH TLV: 10 MG/M3
EPA Rpt Qty: 100 LBS
DOT Rpt Qty: 100 LBS

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

Routes of Entry: Inhalation: YES Skin: YES Ingestion: YES
Reports of Carcinogenicity: NTP: UNKNOWN IARC: NO OSHA: NO
Health Hazards Acute and Chronic: FYTANON IS A CHOLINESTERASE INHIBITOR
OF LOW MAMMALLAN TOXICITY. FYTANON ULV RAPIDLY ENTERS
THE BODY ON
CONTACT WITH ALL SKIN SURFACES AND EYES. CLOTHING CONTAMINATED WITH
MATERIAL MUST BE REMOVED IMMEDIATELY AND ALL SKIN WASH THOROUGHLY.
REPEATED EXPOSURES TO CHOLINESTERASE INHIBITORS SUCH AS FYLANON ULV,
WITHOUT WARNING, CAUSE INCREASED SUSCEPTIBILITY TO DOSES OF ANY
CHOLINESTERASE INHIBITOR.
Effects of Overexposure: HEADACHES, NAUSEA, VOMITING, CRAMPS, WEAKNESS,
BLURRED VISION, PIN-POINT PUPILS, LIGHTNESS IN CHEST, LABORED
BREATHING, NERVOUSNESS, SWEATING,
WATERING EYES, DROOLING OR
FROTHING OF MOUTH AND NOSE, MUSCLE SPASM AND COMA.

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

First Aid: CALL A DOCTOR/CLINIC/HOSPITAL. EXPLAIN THAT A PERSON HAS BEEN
EXPOSED TO MALATHION - AN ORGANOPHOSPHORUS INSECTICIDE - & DESCRIBE
HIS/HER CONDITION. MOVE THE EXPOSED IMMEDIATELY FROM THE AREA. IF
BREATHING HAS STOPPED, START ARTIFICIAL RESPIRATION IMMEDIATELY &
MAINTAIN UNTIL PHYSICIAN TAKES CHARGE OF THE EXPOSED. IF
SWALLOWED
& THE EXPOSED IS CONSCIOUS MAKE HIM/HER VOMIT QUICKLY. HAVE THE
EXPOSED DRINK 1 OR 2 GLASSES OF WATER & INDUCE VOMITING. REPEAT
UNTIL VOMIT IS CLEAR. MAKE THE EXPOSED LIE DOWN & KEEP STEADY. GET
MEDICAL AID IMMEDIATELY. IN CASE OF CONTACT FLUSH EYES/SKIN WITH
PLENTY OF WATER. SEE PHYSICIAN IMMEDIATELY.

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

Flash Point Method: PMCC
Flash Point: =163.C, 325.4F
Extinguishing Media: DRY CHEMICAL OR CARBO

N CIOXIDE FOR SMALL FIRES,
WATER SPRAY OR FOAM FOR LARGE FIRES.

Fire Fighting Procedures:KEEP CONTAINER COOL BY SPRAYING WITH WATER IF EXPOSED TO FIRE. FIGHT FIRE UPWIND. AVOID HEAVY HOSE STREAMS. DIKE AREA IN PREVENT WATER RUNOFF. FIREMAN SHOULD WEAR SELF-CONTAINING BREATHING APPARATUS AND PROTECTIVE CLOTHING.

Unusual Fire/Explosion Hazard:10.1.FYFANON ULV WI DECOMPOSE RAPIDLY WHEN HEATED TO TEMPS ABOVE 100C SIGNIFICANTLY INCREASING RISK OF INDUCING EXPLOSION. DECOMPOSITI
ON DEPENDENT ON TIME &TEMP, DUE TO EXOTHERMIC & AUTOCATALYTIC REA CTIONS. INVOLVE REARRANGEMENTS & POLYMERIZATION RELEASING VOLATILE MALODOROUS & INFLAMMABLE COMPDS AS DIMETHYL SULFIDE.

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

Spill Release Procedures:SMALL LIQUID SPILLS ON THE FLOOR OR OTHER IMPERVIOUS SURFACE SHOULD BE SWEEPED UP BY MEANS OF AN INERT ABSORPTIVE MATERIAL SUCH AS HYDRATED LIME, SAWDUST, FULLER'S EARTH OR OTHER ABSORPTIVE CLAYS
. SCOOP INTO PROPER CONTAINERS AND DISPOSE OF IN ACCORDANCE WITH THE INSTRUCTIONS PROVIDED UNDER DISPOSAL. RINSE AREA WITH SODA LYE.

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

Handling and Storage Precautions:FYTANON ULV IS STABLE WHEN STORED AT TEMPERATURES NOT EXCEEDING 20-25. FYTANON ULV SHOULD NEVER BE HEATED ABOVE 55C AND ALSO LOCAL HEATING ABOVE THIS TEMPERATURE SHOULD BE AVOIDED.

Other Precautions:CONTAINER DISPOSAL: TRIPLE RINSE (OR EQUIVALENT).
THEN AFFER FOR RECYCLING OR RECONDITIONING, OR PUNCTURE AND DISPOSE OF IN A SANITARY LANDFILL. PROCEDURES APPROVED BY STATE AND LOCAL AUTHORITIES MUST , HOWEVER, BE OBSERVED.

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

Ventilation:IF HANDLED INDOORS, PROVIDE MECHANICAL EXHAUST VENTILATION.

Protective Gloves:CHEMICAL RESISTANT GLOVES, SUCH AS LAMINATE,BUTYL RUBBER, NITRILE RUBBER,VITON.

Other Protective Equipment:WEAR COVERALLS OR LONG SLEEVED SHIRT

AND

LONG PANTS. WEAR SHOES PLUS SOCKS.WORK,

Work Hygienic Practices:BEFORE REMOVING GLOVES WASH THEM W/SOAP & WATER. ALWAYS WASH HANDS, FACE & ARMS W/SOAP & WATER BEFORE SMOKING, EATING, OR DRINKING.

Supplemental Safety and Health

KEEP ALL UNPROTECTED PERSONS AND CHILDREN AWAY FROM WORKING AREA. AFTER WORK, TAKE OFF ALL WORK CLOTHES AND SHOES. SHOWER, USING SOAP & WATER. WEAR ONLY CLEAN CLOTHES WHEN LEAVING JOB. DO NOT WEAR CONTAMINATED CLOTHING. WASH PROTECTIVE CLOTHING

AND PROTECTIVE EQUIPMENT

WITH SOAP & WATER AFTER EACH USE.

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

HCC:V1

Boiling Pt:B.P. Text:156-157C AT 0.7 MMHG

Melt/Freeze Pt:=-2.9C, 37.2F

Vapor Pres:25C

Spec Gravity:1.23G/ML AT 20C

pH:3.7-3.8

Viscosity:16.4CP:40C 30.0CP:25C.

Solubility in Water:148.2 MG/L AT 25C

Appearance and Odor:LIQUID, COLORLESS TO PALE YELLOW/SLIGHTLY AROMATIC ODOR

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

Stability I

Indicator/Materials to Avoid:YES

STRONG ALKALIES, AMINES AND STRONG OXIDIZING COMPOUNDS. IT CAN CORRODE IRON, STEEL, TIN PLATE, LEAD, & COPPER. FYFANON IS RAPIDLY HYDROLYZED AT PH>7.0 OR