SOLARIS GROUP, DIVISION OF MONSANTO CO -- 1992-W ORTHO MALATHION 50 PLUS INSECT SPRAY ---

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

Product ID: 1992-W  ORTHO MALATHION 50 PLUS INSECT SPRAY
MSDS Date: 07/26/1995
FSC: NIIN: Submitter: F BT
Status Code: A
MSDS Number: CJFFM

=== Responsible Party ===
Company Name: SOLARIS GROUP, DIVISION OF MONSANTO CO
Box: 5008
City: SAN RAMON
State: CA
ZIP: 94583-0808
Country: US
Emergency Phone Num: 800-454-2333/800-225-2883
CAGE: NO549

=== Contractor Identification ===
Company Name: SOLARIS GROUP, DIVISION OF MONSANTO CO
Box: 5008
City: SAN RAMON
State: CA
ZIP: 94583-0808
Country: US
Phone: 800-225-2883
CAGE: NO549

============= Composition/Information on Ingredients ==============

Ingred Name: MALATHION, DIMETHYL DITHIOPHOSPHATE - DIETHYL MERCAPTOSUCCINATE
CAS: 121-75-5
RTECS #: WM8400000
= Wt: 50.
OSHA PEL: 15 MG/CUM (SKIN)
ACGIH TLV: 10 MG/CUM
EPA Rpt Qty: 100 LBS
DOT Rpt Qty: 100 LBS

Ingred Name: INERT INGREDIENTS
= Wt: 50.

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

LD50 LC50 Mixture: ORAL LD50 (MALE RAT): 2.314 G/KG
Routes of Entry: Inhalation: YES  Skin: NO  Ingestion: YES
Reports of Carcinogenicity: NTP: NO  IARC: NO  OSHA: NO
Health Hazards Acute and Chronic: EYES: MODERATELY IRRITATING W/BLURRED VISION. SKIN: IRRITATION MAY BE ABSORBED THROUGH THE SKIN. INGESTION: HARMFUL IF SWALLOWED. MAY CAUSE SYSTEMIC POISONING. ASPIRATION MAY OCCUR WHEN VOMITING, CAN DIRECTLY ENTER LUNGS & CAUSE SEVERE INJURY/DEATH. INHALATION: HARMFUL W/PROLONGED/REPEATED EXPOSURE. OVEREXPOSURE TO THE PRODUCT MAY CAUSE CHOLINESTERASE INHIBITION, WHICH IN UNTREATED SEVERE POISONING, DEATH IS DUE TO RESPIRATORY FAILURE/CARDIAC ARREST.
Explanation of Carcinogenicity: NONE
Effects of Overexposure: IRRITATION, DISCOMFORT, TEARING, SWELLING,
REDNESS, BLURRED VISION, BLISTERING, VOMITING. SIGNS & CHOLINESTERASE INHIBITION: HEADACHE, DIZZINESS, WEAKNESS, NAUSEA, DIARRHEA, CONSTRICION OF THE PUPIL OF THE EYE, BLURRED/DARK VISION, SALIVATION, NASAL DISCHARGE, SWEATING, ABDOMINAL CRAMPS, UNCONSCIOUSNESS, CONVULSIONS, BREATHING DIFFICULTIES.

First Aid: EYES: IMMEDIATELY FLUSH W/FRESH WATER FOR 15 MINS. REMOVE CONTACT LENSES. SKIN: WASH W/PLENTY OF SOAP & WATER. INGESTION: GIVE WATER/MILK TO DRINK. DON'T MAKE PERSON VOMIT UNLESS DIRECTED TO DO SO BY MEDICAL PERSONNEL. INHALATION: REMOVE TOFRESH AIR. APPLY ARTIFICIAL RESPIRATION. OBTAIN MEDICAL ATTENTION IN ALL CASES. NOTES TO PHYSICIAN: MEASUREMENT OF BLOOD CHOLINESTERASE ACTIVITY MAY BE USEFUL I N MONITORING EXPOSURE. ATROPINE SULFATE IS ANTIDOTAL. 2-PAM (PROTOPAM) IS ALSO ANTIDOTAL & MAY BE USED IN CONJUNCTION W/ATROPINE BUT SHOULD NOT BE USED ALONE.

Fire Fighting Measures

Flash Point Method: TCC
Flash Point: =41.1C, 106.F
Extinguishing Media: CO2, DRY CHEMICAL, FOAM, WATER FOG

Handling and Storage Precautions: DON'T PUT CONCENTRATE/DILUTE INTO FOOD/DRINK CONTAINERS. STORE IN A SECURE, PREFERABLY LOCKED, STORAGE AREA. DON'T STORE DILUTED SPRAY. KEEP PESTICIDE IN ORIGINAL CONTAINER. PARTIALLY FILLED PRODUCT CONTAINER MAY BE SECURELY WRAPPED IN SEVERAL LAYERS OF NEWSPAPER & DISCARDED IN TRASH.

Other Precautions: DON'T REUSE CONTAINER. DON'T STORE DILUTED SPRAY. AVOID BREATHING SMOKE & MIST. READ THE ENTIRE DOCUMENT. DON'T GET MATERIAL IN YOUR EYES. AVOID CONTACT W/EYES, SKIN & CLOTHING.

Respiratory Protection: IN THE EVENT OF AN ACCIDENTAL DISCHARGE OF THE MATERIAL DURING MANUFACTURE/HANDLING, WORKERS SHOULD PUT ON RESPIRATORY PROTECTION EQUIPMENT SPECIFIED BY NIOSH/MSHA/BY
MANUFACTURER.
Supplemental Safety and Health NO REPRESENTATIONS/WARRANTIES, EITHER EXPRESS/IMPLIED OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OF ANY OTHER NATURE ARE MADE W/RESPECT TO INFORMATION THE PRODUCT TO WHICH INFORMATION REFER S.

============  Physical/Chemical Properties =============
Vapor Pres: <10
Vapor Density: 4.5
Spec Gravity: 1.040 TO 1.055
pH: 5-8  1% SOL.
Solubility in Water: MISCIBLE
Appearance and Odor: AMBER LIQUID W/GARLIC LIKE ODOR.

============  Stability and Reactivity Data =============
Stability Indicator/Materials to Avoid: YES
STRONG BASES/STRONG OXIDIZING AGENTS; CHORATES, NITRATES, PEROXIDES
Stability Condition to Avoid: TEMP >212F, HEAT, SPARKS, HOT SURFACES & OTHER IGNITION SOURCES.
Hazardous Decomposition Products: BY THERMAL DECOMPOSITION: DIMETHYLSULFIDE, SULFUR DIOXIDE, CO, CO2, PHOSPHOROUS-PENTOXIDE & NITROGEN OXIDES.
Conditions to Avoid Polymerization: TEMPERATURES >212F.

============  Ecological Information =============
Ecological: THIS PESTICIDE IS TOXIC TO FISH, AQUATIC INVERTEBRATES & AQUATIC LIFE STAGES OF AMPHIBIANS. DON'T APPLY DIRECTLY TO WATER. DRIFT & RUNOFF MAY BE HAZARDOUS TO AQUATIC ORGANISMS IN AREAS NEAR THE APPLIC ATION SITE. DON'T CONTAMINATE WATER WHEN DISPOSING OF EQUIPMENT WASHWATERS. THIS PRODUCT IS HIGHLY TOXIC TO BEES EXPOSED TO DIRECT TREATMENT ON BLOOMING CROPS/WEEDS. DON'T APPLY THIS PRODUCT(ALLOW IT TO DRIFT TO BLOOMING CROPS/WEEDS.

============  Disposal Considerations =============
Waste Disposal Methods: LEAKING CONTAINERS SHOULD BE SEPARATED FROM NON-LEAKERS & EITHER THE CONTAINER/ITS CONTENTS TRANSFERRED TO A DRUM/OTHER NON-LEAKING CONTAINER & DISPOSE OF IN ACCORDANCE W/LOCAL, STATE & FEDERAL REGULATIONS. DON'T CONTAMINATE WATER, FOODSTUFFS/FEED BY STORAGE/DISPOSAL.

============  MSDS Transport Information =============
Transport Information: U.S. SURFACE FREIGHT CLASS: INSECTICIDES, FUNGICIDES, INSECT/ANIMAL REPELLENTS/VERMIN EXTERMINATORS, NO1, OTHER THAN POISON. SPECIAL SHIPPING NOTES: THE DESCRIPTION SHOWN MAY NOT APPLY TO ALL SHIPPING SITUATIONS.
SARA Title III Information:
SARA TITLE III SUPERFUND AMENDMENTS & REAUTHORIZATION ACT.
PRODUCT CLASSIFICATION UNDER SECTION 311 OF SARA:
ACUTE: YES, CHRONIC: NO. FIRE: YES. REACTIVITY: NO, PRESSURE
GENERATING: NO. TSCA (TOXIC SUBSTANCE CONTROL ACT):
ALL NON FIFRA REGULATED COMPONENTS ARE ON THE US EPA'S TSCA INVENTORY LIST.

Other Information

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