

SOLARIS GROUP OF MONSANTO COMPANY -- ORTHO WEED-B-GON LAWN WEED KILLER --
6840-01-377-7110

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

Product ID:ORTHO WEED-B-GON LAWN WEED KILLER

MSDS Date:07/27/1995

FSC:6840

NIIN:01-377-7110

Status Code:A

MSDS Number: CKFTH

=== Responsible Party ===

Company Name:SOLARIS GROUP OF MONSANTO COMPANY

Box:5008

City:SAN RAMON

State:CA

ZIP:94583-0808

Country:US

Info Phone Num

:800-454-2333

Emergency Phone Num:800-454-2333

Resp. Party Other MSDS Num.:3902

CAGE:NO552

=== Contractor Identification ===

Company Name:EHRlich J C CHEMICAL CO INC

Address:500 SPRING RIDGE DR

Box:City:READING

State:PA

ZIP:19612-3848

Country:US

Phone:610-372-9700/FAX: 610-378-9744

Contract Num:SP0450-00-M-D324

CAGE:8C885

Company Name:SOLARIS GROUP OF MONSANTO COMPANY

Box:5008

City:SAN RAMON

State:CA

ZIP:94583-0808

Country:US

Phone:800-454-2333

CAGE:NO552

===== Composition/Information

on Ingredients =====

Ingred Name:DMA SALT OF 2,4-DIMETHYLAMINE SALT OF
2,4-DICHLOROPHENOXYACETIC ACID
CAS:2008-39-1
RTECS #:AG8400000
= Wt:10.8

Ingred Name:DIMETHYLAMINE SALT OF
2-(2-METHYLL-4-CHLOROPHENOXY)PROPIONIC ACID
CAS:32351-70-5
RTECS #:UA2467000
= Wt:11.6

Ingred Name:INERT INGREDIENTS
= Wt:77.6

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

LD50 LC50 Mixture:3.0(MALE); 2.9(FEMALE)G/KG
Health Hazards Acute and Chronic:EYES:CORROSIVE TO THE EYES

. SKIN:
MODERATE SKIN IRRITANTION, THEREFORE CONTACT WITH THE SKIN CAN
CAUSE PROLINGED (DAYS) INJURY TO THE AFFECTED AREA. THIS SUBSTANCE
IS CONSIDERED SLIGHTLY TOXIC TO INT ERNAL ORGANS IF ABSORBED
THROUGH THE SKIN. INGESTION: THIS SUBSTANCE IS SLIGHTLY TOXIC TO
INTERNAL ORGANS IF SWALLOWED. INHALATION: PRACTICALLY NON-TOXIC TO
INTERNAL ORGANS.

Effects of Overexposure:EYES: EYE CONTACT MAY INCLUDE DISCOMFORT,
TEARING, SWELLING, REDNESS, AND BLURRED VISION. SKIN:
IRRITATION
MAY INCLUDE REDNESS, ITCHING, AND SWELLING.

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

First Aid:EYES: FLUSH EYES IMMEDIATELY WITH WATER FOR AT LEAST 15
MINUTES, HOLD EYELIDS OPEN. REMOVE CONTACT LENSES IF WORN. CALL A
PHYSICIAN. SKIN: THOROUGHLY WASH HANDS & EXPOSED SKIN WITH SOAP &
WATER. IF I RRITATION DEVELOPS, GET MEDICAL ATTENTION. REMOVE
CONTAMINATED CLOTHING, LAUNDR SEPERATELY. INGESTION: IF
SWALLOWED, GIVE WATER OR MILK TO

DRINK & TELEPHONE FOR MEDICAL

ADVICE. DO NOT MAKE PERSON VO MIT UNLESS DIRECTED TO DO SO BY MEDICAL PERSONNEL. IF MEDICAL ADVICE CANNOT BE OBTAINED, THEN IMMEDIATELY TAKE THE PERSON & PRODUCT CONTAINER, WITH LABEL TO HOSPITAL. INHALATION: PRACTICALLY NON-TOXIC .

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

Flash Point Method:CC

Flash Point:>93.3C, 200.F

Extinguishing Media:CO2, DRY CHEMICAL, FOAM AND WATER FOG.

Fire Fighting Procedures:SMOKE FROM FIRES

INVOLVING THIS MATERIAL MAY

PRESENT UNUSUAL HAZARDS. AVOID BREATHING SMOKE MISTS. AVOID CONTACT WITH FALLOUT AND RUNOFF. MINIMIZE THE AMOUNT OF WATER USED FOR FIRE FIGHTING. DO NOT EN TER ANY ENCLOSED AREA WITHOUT FULL PROTECTIVE EQUIPMENT, INCLUDING SELF-CONTAINED BREATHING EQUIPMENT. CONTAIN RUNOFF.

Unusual Fire/Explosion Hazard:HAZARDOUS COMBUSTION PRODUCTS: NORMAL COMBUSTION FORMS CARBON DIOXIDE, WATER VAPOR AND MAY PRODUCE OXIDES OF NITROGEN. INCOMPLETE COMBUSTIO N CAN PRODUCE CARBON MONOXIDE.

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

Spill Release Procedures:SMALL: SOAK UP SPILLED MATERIAL WITH PAPER TOWELS AND DISCARD IN TRASH. LARGE: LIQUID SPILLS ON THE FLOOR OR OTHER IMPERVIOUS SURFACES SHOULD BE CONTAINED OR DIKED, AND SHOULD BE ABSORBED WITH

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

Handling and Storage Precautions:KEEP PESTICIDE IN ORIGINAL CONTAINER.

DO NOT PUT CONCENTRATE O

R DILUTE INTO FOOD OR DRINK CONTAINERS.

AVOID CONTAMINATION OF FEED, FOOD STUFFS, FERTILIZERS, SEEDS, INSECTICIDES, OR FUNGICIDES. STORE I N A COOL DRY PLACE, PREFERABLY IN A LOCKED STORAGE AREA. DO NOT STORE DILUTED SPRAY.

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

Respiratory Protection:HANDLING OF THE UNDILUTED PRODUCT IS NOT LIKELY TO PRESENT AN AIRBORNE EXPOSURE CONCERN DURING NORMAL HANDLING. WORKERS SHOULD PUT ON RESPIRATORY PROTECTION EQUIPM

ENT IF

NECESSARY. CONSULT RESPIRATOR MANUFACTURER TO DETERMINE APPROPRIATE TYPE OF EQUIPMENT.

Ventilation:NO SPECIAL VENTILATION IS NORMALLY REQUIRED. HOWEVER, IF OPERATING CONDITIONS CREATE AIRBORNE CONCENTRATIONS WHICH EXCEED THE RECOMMENDED EXPOSURE

Protective Gloves:CHEMICAL RESISTANT GLOVES

Eye Protection:CHEMICAL GOGGLES OR A FACE SHIELD

Other Protective Equipment:WEAR PROTECTIVE CLOTHING WHEN HANDLING OR APPLYING THIS PRODUCT INCLUDING LONG PANTS, LONG SLEEVED SHIRT, SOCKS, SHOES, AND CHEMICAL RESISTANT GLOVES.

Work Hygienic Practices:WASH NONDISPOSABLE GLOVES THOROUGHLY WITH SOAP AND WATER BEFORE REMOVING. REMOVE CONTAMINATED CLOTHING AND LAUNDER SEPERATELY BEFORE USE. PROMPTLY AND THOROUGHLY WASH HANDS AND EXPOSED SKIN WITH SOAP **

Supplemental Safety and Health

**AND WATER AFTER USING THIS PRODUCT.

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

HCC:B3

Spec Gravity:8.81 LBS/GAL @ 20C

pH:8.0 - 10.0

Viscosity:SAME AS W

ATER

Solubility in Water:SOLUBLE

Appearance and Odor:DARK BLACK/BROWN LIQUID WITH AMINE ODOR

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

Stability Indicator/Materials to Avoid:YES

MAY REACT WITH STRONG ACIDS OR STRONG OXIDIZING AGENTS, SUCH AS CHLORATES, NITRATES, PEROXIDES, ETC.

Hazardous Decomposition Products:EXPOSURE TO HEAT OR FLAME MAY PRODUCE CARBON MONOXIDE, HYDROGEN CHLORIDE AND NITROGEN OXIDES.

===== Toxicological Information =====

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Toxicological Information:EYES: MODERATE CONJUNCTIVAL REDNESS WAS OBSERVED IN ALL RABBITS AT THE 1 & 24 HOUR READINGS, SLIGHT AT THE 48 HOUR READING. MOST EYES WERE NORMAL BY 72 HOURS. DERMAL LD50: MODERATE TO SEVERE ERYTHEMA THROUGH 48 HOURS. ERYTHEMA DECREASED TO SLIGHT TO MODERATE BY DAY 7. INHALATION: FOUND TO BE PRACTICALLY NONTOXIC TO RATS FOLLOWING A 1-HOUR INHALATION EXPOSURE; THE INHALATION LC50 IS >13.7 G/L.

===== Ecological Info

rmation =====

Ecological:THIS PRODUCT IS TOXIC TO AQUATIC INVERTEBRATES. DRIFT OR RUNOFF MAY ADVERSELY AFFECT AQUATIC VERTEBRATES & NONTARGET PLANTS. DO NOT APPLY DIRECTLY TO WATER.

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

Waste Disposal Methods:LARGE SPILLS: MATERIAL COLLECTED THAT CANNOT BE REPROCESSES SHOULD BE DISPOSED OF IN A LANDFILL APPROVED FOR PESTICIDE DISPOSAL OR IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE OR LOCAL PR OCEDURES.

===== MSDS Transport Information =====

Transport Information:DOT: NOT REGULATED. IATA: NOT REGULATED.

===== Regulatory Information =====

SARA Title III Information:CLASSIFIED AS ACUTE UNDER SECTION 311 OF SARA.

Federal Regulatory Information:TSCA: ALL NON-FIFRA REGULATED COMPONENTS ARE ON THE US EPA'S TSCA INVENTORY LIST.

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n 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.