

Material Safety Data Sheet

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1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

WEED-B-GON(R) Lawn Weed Killer

PRODUCT NUMBER(S): UPC03967A UPC03967D UPC03967P UPC03968A
 UPC03968B UPC03968D UPC03968P UPC03969B
 UPC03969C UPC03970A UPC03970B

COMPANY IDENTIFICATION

The SOLARIS Group
 A Division of the Agricultural Group
 of Monsanto Company
 P.O. Box 5008
 San Ramon, CA 94583-0808

EMERGENCY TELEPHONE NUMBERS

HEALTH (24 HR):
 (800)454-2333
 TRANSPORTATION (24 HR):
 (800)454-2333

PRODUCT INFORMATION: (800)225-2883

SPECIAL NOTES: EPA Reg. No. 239-2342

2. COMPOSITION/INFORMATION ON INGREDIENTS

100.0 % WEED-B-GON(R) Lawn Weed Killer

CONTAINING

COMPONENTS	AMOUNT	LIMIT/QTY	AGENCY/TYPE
DMA SALT OF 2,4-D Chemical Name: (SEE BELOW) CAS2008391	10.8%		

Complete chemical name: Dimethylamine salt of 2,4-Dichlorophenoxyacetic acid.

DMA SALT OF MCPP
 Chemical Name: (SEE BELOW)

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 NDA - No Data Available NA - Not Applicable

Prepared according to the OSHA Hazard Communication Standard
 (29 CFR 1910.1200) and the ANSI MSDS Standard (Z400.1) by the Toxicology
 and Health Risk Assessment Unit, CRTG, P.O. Box 4054, Richmond, CA 94804

CAS13791929

11.6%

Complete chemical name: Dimethylamine salt of 2-(2-methyl-4-chloro-phenoxy) propionic acid.

INERT INGREDIENTS

77.6%

"Inert Ingredients" is a term defined by the U.S. Environmental Protection Agency under the Federal Insecticide, Fungicide and Rodenticide Act (40 CFR 158.153). It refers to any substance, other than an active ingredient, which is intentionally added to a pesticide product. Some inert ingredients may be hazardous chemicals, as defined by the Federal OSHA Hazard Communication Standard (29 CFR 1910.1200). The hazards associated with these inert ingredients have been included in this document.

LABEL COMMENT:

This Material Safety Data Sheet (MSDS) contains health, safety and environmental information for you and your employees. It does not replace the precautionary use, storage and disposal information presented on the product label. This information will help you to prepare for emergency response and to meet community right-to-know/ emergency response and reporting requirements under SARA Title III and many other laws. Emergency response agencies and health care providers will also find this additional information useful.

Homeowner consumer use, storage and disposal are regulated by the EPA through the approved label copy, and it is a violation of Federal law to use the product in any manner not prescribed on the EPA-approved label. In order to avoid confusion, this MSDS should not be distributed to homeowner consumers.

Although an MSDS is not required for a consumer product used by the homeowner, we provide this MSDS for employers who handle or store large quantities of this product (e.g. transporters, warehouses and retailers).

This MSDS should also be made available to any employee whose exposure to the product in quantity, frequency or duration may be greater than that of a homeowner consumer.

This MSDS should be supplied to subsequent transporters, shippers, warehouses, retailers or employers where handling, storing or use of this product exceed in quantity, frequency or duration those of a homeowner consumer.

TLV - Threshold Limit Value	TWA - Time Weighted Average
STEL - Short-term Exposure Limit	TPQ - Threshold Planning Quantity
RQ - Reportable Quantity	PEL - Permissible Exposure Limit
C - Ceiling Limit	CAS - Chemical Abstract Service Number
A1-5 - Appendix A Categories	() - Change Has Been Proposed

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3. HAZARDS IDENTIFICATION

***** EMERGENCY OVERVIEW *****

Amber to dark brown liquid

- CORROSIVE TO EYES
- CAUSES EYE DAMAGE
- HARMFUL IF SWALLOWED
- KEEP OUT OF REACH OF CHILDREN

POTENTIAL HEALTH EFFECTS

EYE:

This substance is a severe eye irritant and could cause permanent damage to your eyes and blindness. The degree of the injury will depend on the amount of material that gets into the eye and the speed and thoroughness of the first aid treatment.

SKIN:

This substance is not expected to cause prolonged or significant skin irritation. If absorbed through the skin, this substance is considered practically non-toxic to internal organs.

INGESTION:

This substance is slightly toxic to internal organs if swallowed. The degree of injury will depend on the amount absorbed from the gut.

INHALATION:

If inhaled, this substance is considered practically non-toxic to internal organs.

SIGNS AND SYMPTOMS OF EXPOSURE:

EYE: May include pain, tears, swelling, redness, and blurred vision.

4. FIRST AID MEASURES

EMERGENCY NUMBER (24 hr): (800)454-2333

EYE:

Flush eyes immediately with fresh water for at least 15 minutes while holding the eyelids open. Remove contact lenses if worn. See a doctor for further treatment as soon as possible.

SKIN:

No first aid procedures are required. As a precaution, wash skin thoroughly with soap and water. Remove and wash contaminated clothing.

INGESTION:

If swallowed, give water or milk to drink and telephone for medical advice. DO NOT make person vomit unless directed to do so by medical personnel. If medical advice cannot be obtained, then take the person and product container to the nearest medical emergency treatment center or hospital.

INHALATION:

Since this material is not expected to be an immediate inhalation problem, no first aid procedures are required.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES

FLASH POINT: NA

AUTOIGNITION: NDA Will not burn.

FLAMMABILITY LIMITS (% by volume in air): Lower: NDA Upper: NDA
Will not burn.

EXTINGUISHING MEDIA:

NA

NFPA RATINGS: Health 3; Flammability 0; Reactivity 0.

FIRE FIGHTING INSTRUCTIONS:

This material will not burn. Smoke from fires involving this material may present unusual hazards. Avoid breathing smoke and mists. Avoid contact with fallout and runoff. Minimize the amount of water used for fire fighting. Do not enter any enclosed area without full protective equipment, including self-contained breathing equipment. Contain and isolate runoff and debris for proper disposal. Read the entire document.

COMBUSTION PRODUCTS:

This material will not burn.

6. ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES:

Clean up spills immediately, observing precautions in Exposure Controls/ Personal Protection section. Cover spill with a generous amount of Oil Dry, cat litter, clay, rags or other absorbent. Use a stiff broom to mix thoroughly. Sweep up and place in a disposable container. Scrub contaminated area with detergent and water using a stiff broom. Pick up liquid with additional absorbent and place in a disposable container.

7. HANDLING AND STORAGE

HANDLING AND STORAGE:

READ AND OBSERVE ALL PRECAUTIONS ON PRODUCT LABEL.

Keep pesticide in original container. Do not store or transport near food or feed.

Do not apply directly to water or wetlands. Do not contaminate water by cleaning of equipment or disposal of waste. For help with any spill, leak, fire or exposure involving this material, call day or night (800) 454-2333.

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

PERSONAL PROTECTIVE EQUIPMENT

EYE/FACE PROTECTION:

Appropriate eye protection must be worn when working with this material or serious harm can result. Wear chemical goggles or a face shield at all times.

SKIN PROTECTION:

No special skin protection is usually necessary. Avoid prolonged or frequently repeated skin contact with this material. Skin contact can be minimized by wearing protective clothing.

RESPIRATORY PROTECTION:

No special respiratory protection is normally required.

ENGINEERING CONTROLS:

No special ventilation is necessary.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL DESCRIPTION:

Amber to dark brown liquid

pH: NDA
VAPOR PRESSURE: <10 mm Hg @ 25C
VAPOR DENSITY
(AIR=1): 0.67
BOILING POINT: 202F
FREEZING POINT: NDA
MELTING POINT: 12F
SOLUBILITY: Soluble in water
SPECIFIC GRAVITY: 1.056 g/ml
DENSITY: NDA
EVAPORATION RATE: 0 (n-BuAc = 1)
PERCENT VOLATILE
(VOL): 0%

10. STABILITY AND REACTIVITY

HAZARDOUS DECOMPOSITION PRODUCTS:

Nitrosamines may form upon prolonged exposure to high temperatures (>600F).

CHEMICAL STABILITY:

Stable.

CONDITIONS TO AVOID:

No data available.

INCOMPATIBILITY WITH OTHER MATERIALS:

No data available.

HAZARDOUS POLYMERIZATION:

Polymerization will not occur.

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11. TOXICOLOGICAL INFORMATION

EYE EFFECTS:

Corrosive (irreversible destruction of ocular tissue); or corneal involvement or irritation persisting for more than 21 days.

SKIN EFFECTS:

Mild to slight irritation at 72 hours. (No irritation or slight erythema.) The dermal LD50 in rabbits is greater than 5 g/kg. This material was not a skin sensitizer in the Buehler Guinea Pig Sensitization Test.

ACUTE ORAL EFFECTS:

The oral LD50 in male rats is 4.5 g/kg. The oral LD50 in female rats is 2.2 g/kg.

ACUTE INHALATION EFFECTS:

The 1-hour inhalation LC50 in rats is > 33 mg/l.

12. ECOLOGICAL INFORMATION

ECOTOXICITY:

This material is toxic to aquatic organisms and should be kept out of sewage and drainage systems and all bodies of water.

ENVIRONMENTAL FATE:

No data available.

13. DISPOSAL CONSIDERATIONS

DISPOSAL CONSIDERATIONS:

Partially filled container may be disposed of by securely wrapping original container in several layers of newspaper and discard in trash. Do not reuse empty container. Rinse empty container thoroughly before discarding in trash.

14. TRANSPORT INFORMATION

The description shown may not apply to all shipping situations. Consult 49CFR, or appropriate Dangerous Goods Regulations, for additional description requirements (e.g., technical name) and mode-specific or quantity-specific shipping requirements.

DOT SHIPPING NAME: N/A

DOT HAZARD CLASS: NONE

DOT IDENTIFICATION NUMBER: NONE

DOT PACKING GROUP: N/A

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NA - Not Applicable

15. REGULATORY INFORMATION

SPECIAL NOTES: EPA Reg. No, 239-2342

- SARA 311 CATEGORIES:
- 1. Immediate (Acute) Health Effects: YES
 - 2. Delayed (Chronic) Health Effects: NO
 - 3. Fire Hazard: NO
 - 4. Sudden Release of Pressure Hazard: NO
 - 5. Reactivity Hazard: NO

REGULATORY LISTS SEARCHED:

- | | | |
|-------------------------|-------------------------|----------------------|
| 01=SARA 313 | 11=NJ RTK | 21=TSCA Sect 4(e) |
| 02=MASS RTK | 12=CERCLA 302.4 | 22=TSCA Sect 5(a)(2) |
| 03=NTP Carcinogen | 13=MN RTK | 23=TSCA Sect 6 |
| 04=CA Prop 65-Carcin | 14=ACGIH TWA | 24=TSCA Sect 12(b) |
| 05=CA Prop 65-Repro Tox | 15=ACGIH STEL | 25=TSCA Sect 8(a) |
| 06=IARC Group 1 | 16=ACGIH Calc TLV | 26=TSCA Sect 8(d) |
| 07=IARC Group 2A | 17=OSHA PEL | 27=TSCA Sect 4(a) |
| 08=IARC Group 2B | 18=DOT Marine Pollutant | 28=Canadian WHMIS |
| 09=SARA 302/304 | 19=Chevron TWA | 29=OSHA CEILING |
| 10=PA RTK | 20=EPA Carcinogen | 30=Chevron STEL |

None of the components of this material are found on the regulatory lists indicated.

16. OTHER INFORMATION

NFPA RATINGS: Health 3; Flammability 0; Reactivity 0; (Least-0, Slight-1, Moderate-2, High-3, Extreme-4). These values are obtained using the guidelines or published evaluations prepared by the National Fire Protection Association (NFPA) or the National Paint and Coating Association (for HMIS ratings).

REVISION STATEMENT:

This Material Safety Data Sheet has been revised to comply with the ANSI Z400.1 Standard. Changes have also been made throughout this MSDS. Please read the entire document.

The above information is based on the data of which we are aware and is believed to be correct as of the date hereof. Since this information may be applied under conditions beyond our control and with which we may be unfamiliar and since data made available subsequent to the date hereof may suggest modification of the information, we do not assume any responsibility for the results of its use. This information is furnished upon

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condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.

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