



BAYER CROP SCIENCE

P.O. Box 4913 Hawthorn Road
Kansas City, MO 64120-0013

TRANSPORTATION EMERGENCY

CALL CHEMTREC: 800-424-9300
INTERNATIONAL: 703-527-3887

NON-TRANSPORTATION

BAYER EMERGENCY PHONE...: (800) 414-0244
BAYER INFORMATION PHONE.: (800) 842-8020

1. CHEMICAL PRODUCT IDENTIFICATION:

PRODUCT NAME.....: BAYER ADVANCED LAWN Southern Weed Killer for Lawns Concentrate
PRODUCT CODE.....: 44813
PRODUCT USE.....: Consumer Herbicide

2. COMPOSITION/INFORMATION ON INGREDIENTS:

INGREDIENT NAME /CAS NUMBER EXPOSURE LIMITS CONCENTRATION (%)

***** HAZARDOUS INGREDIENTS *****

Table with 3 columns: Ingredient Name, Exposure Limits, Concentration (%). Rows include Dimethylamine salt of 2,4-dichlorophenoxyacetic acid (7.59%), Dimethylamine salt of (+)-(R)-2-(4-chloro-2-methylphenoxy)propanoic acid (3.66%), and Dimethylamine salt of dicamba (3,6-dichloro-o-anisic acid) (0.84%).

3. HAZARDS IDENTIFICATION:

* EMERGENCY OVERVIEW *
* *
* CAUTION! Color: Amber; Form: Liquid; Odor: Phenolic odor; *
* Causes eye irritation; May be harmful if swallowed. *

POTENTIAL HEALTH EFFECTS:

ROUTE(S) OF ENTRY.....: Inhalation; Skin Contact; Eye Contact;
Ingestion

HUMAN EFFECTS AND SYMPTOMS OF OVEREXPOSURE:

ACUTE EFFECTS OF EXPOSURE.....: Exposure during the labeled use of this product is expected to be minimal. Consumers should refer to the packaging label for proper handling procedures. Based on supplier information, sufficient exposure to this product may cause moderate skin irritation. Eye contact may cause irritation and burning. Exposure by inhalation may cause respiratory irritation, including coughing, and burning. Ingestion may cause gastrointestinal tract irritation.

CHRONIC EFFECTS OF EXPOSURE...: Repeated and prolonged overexposure may cause chronic irritation of respiratory tract.

CARCINOGENICITY.....: This product is not listed by NTP, IARC or regulated as a carcinogen by OSHA.

MEDICAL CONDITIONS

AGGRAVATED BY EXPOSURE.....: None known

4. FIRST AID MEASURES:

FIRST AID FOR EYES.....: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

FIRST AID FOR SKIN.....: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

FIRST AID FOR INHALATION: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or physician for further treatment advice.

FIRST AID FOR INGESTION.: Call poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do

4. FIRST AID MEASURES (Continued)

not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything to an unconscious person.
NOTE TO PHYSICIAN.....: Treat symptomatically.

5. FIRE FIGHTING MEASURES:

FLASH POINT.....: Not applicable
EXTINGUISHING MEDIA.....: Foam; Dry Chemical; Water; Carbon Dioxide
SPECIAL FIRE FIGHTING PROCEDURES: Wear positive pressure breathing apparatus and full protective clothing. Fight fire from maximum distance. Stay upwind and out of low areas.
UNUSUAL FIRE / EXPLOSION HAZARDS: Burning product may produce irritating or poisonous gases. Run-off from fire control area or dilution water may cause pollution. If surface water is contaminated, contact local authorities.

6. ACCIDENTAL RELEASE MEASURES:

SPILL OR LEAK PROCEDURES.....: Isolate area and keep unauthorized people away. Do not walk through spilled material. Avoid breathing vapors and skin contact. Remove sources of ignition if combustible or flammable vapors may be present and ventilate area. Wear proper protective equipment. Dike contaminated area with absorbent granules, soil, sand, etc. If large spill, material should be recovered. Small spills can be absorbed with absorbent granules, spill control pads, or any absorbent material. Carefully sweep up absorbed spilled material. Place in covered container for reuse or disposal. Scrub contaminated area with soap and water. Use dry absorbent materials such as clay granules to absorb and collect wash solution for proper disposal. Contaminated soil may have to be removed and disposed. Do not allow material to enter streams, sewers, or other waterways or contact vegetation.

7. HANDLING AND STORAGE:

STORAGE TEMPERATURE(MIN/MAX): Not established
SHELF LIFE.....: Not established
SPECIAL SENSITIVITY.....: Not established
HANDLING/STORAGE PRECAUTIONS: Store in original container in a locked area, inaccessible to children and pets. Keep from freezing. Do not allow cross-contamination of pesticides, fertilizers, seeds, feed or food.
OTHER NOTES.....: Do not contaminate water supplies with rinsate from equipment cleaning or spill clean-up. Do not apply this product when

7. HANDLING AND STORAGE (Continued)

it may drift from the target area. Do not apply directly to water.

8. PERSONAL PROTECTION:

EYE PROTECTION REQUIREMENTS.....: Safety glasses with side shields or goggles.
SKIN PROTECTION REQUIREMENTS.....: Long sleeves and trousers
HAND PROTECTION REQUIREMENTS.....: Chemical-resistant gloves such as latex or nitrile
VENTILATION REQUIREMENTS.....: Maintain exposures below applicable limits through the use of general and local exhaust ventilation.
RESPIRATOR REQUIREMENTS.....: If needed, based on the conditions of use, wear a NIOSH-approved organic vapor respirator with particulate pre-filter.
ADDITIONAL PROTECTIVE MEASURES.....: Clean water and soap should be available for washing in case of eye or skin contamination. Educate and train employees in safe use of the product. Follow all label instructions. Launder clothing separately after use. Wash thoroughly after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES:

PHYSICAL FORM.....: Liquid
COLOR.....: Amber
ODOR.....: Phenolic odor
pH: 6.9-9.0
BOILING POINT.....: 212 F
MELTING/FREEZING POINT....: <35 F
SOLUBILITY IN WATER: Soluble
SPECIFIC GRAVITY: 1.02-1.04
BULK DENSITY.....: 8.5-8.7 lbs/gal
VAPOR PRESSURE: <17 mm Hg @ 68 F

10. STABILITY AND REACTIVITY:

STABILITY.....: This is a stable material.
HAZARDOUS POLYMERIZATION...: Will not occur.
INCOMPATIBILITIES.....: Contamination with acidic materials may ruin product.
INSTABILITY CONDITIONS.....: Not Noted
DECOMPOSITION PRODUCTS.....: Proposed during fire conditions: CO, CO2, NOx, HCl

11. TOXICOLOGICAL INFORMATION:

Available on request

12. ECOLOGICAL INFORMATION:

This product is toxic to aquatic vertebrates. Drift or runoff may harm aquatic invertebrates and plants.

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD.....: For Plastic Containers - Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or if allowed by state and local authorities by burning. If burned stay out of smoke.

14. TRANSPORTATION INFORMATION:

TECHNICAL SHIPPING NAME.....: Weed Killer
FREIGHT CLASS PACKAGE.....: Herbicides, NOI - NMFC 50320, Sub. 2
PRODUCT LABEL.....: Not Noted

DOT (DOMESTIC SURFACE)

HAZARD CLASS OR DIVISION: Non-Regulated

IMO / IMDG CODE (OCEAN)

HAZARD CLASS DIVISION NUMBER...: Non-Regulated

ICAO / IATA (AIR)

HAZARD CLASS DIVISION NUMBER...: Non-Regulated

This information is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of Bayer Corporation. The data on this sheet relates only to the specific material designated herein. Bayer Corporation assumes no legal responsibility for use or reliance upon these data.

Product Code: 44813
Approval date: 09/12/2000

MSDS Page 7
Last page