



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.....: OUTPOST TBR Termite Bait Response
PRODUCT CODE.....: 21050
PRODUCT USE.....: Insecticide

2. COMPOSITION/INFORMATION ON INGREDIENTS:

INGREDIENT NAME /CAS NUMBER EXPOSURE LIMITS CONCENTRATION (%)

\*\*\*\*\* HAZARDOUS INGREDIENTS \*\*\*\*\*

Diiflubenzuron
35367-38-5 OSHA : Not Established 0.25 %
ACGIH: Not Established

3. HAZARDS IDENTIFICATION:

\*\*\*\*\*
\* EMERGENCY OVERVIEW \*
\* CAUTION! Color: White; Form: Powder; Fluffy Powder; Odor: \*
\* Essentially Odorless; May cause skin irritation; May cause \*
\* eye irritation. \*
\*\*\*\*\*

POTENTIAL HEALTH EFFECTS:

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

3. HAZARDS IDENTIFICATION (Continued)

HUMAN EFFECTS AND SYMPTOMS OF OVEREXPOSURE:

ACUTE SKIN CONTACT.....: Direct contact with skin may cause irritation.

CHRONIC SKIN CONTACT.....: Prolonged excessive exposure may cause methemoglobinemia.

ACUTE EYE CONTACT.....: Direct eye contact may cause irritation.

CHRONIC EYE CONTACT.....: Prolonged excessive exposure may cause methemoglobinemia.

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

MEDICAL CONDITIONS

AGGRAVATED BY EXPOSURE.....: Not Noted

4. FIRST AID MEASURES:

FIRST AID FOR EYES.....: Hold eye open and rinse slowly and gently 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 doctor for further treatment information.

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 not induce vomiting unless told to do so by physician or poison control center. Do not give anything by mouth to an unconscious person.

NOTE TO PHYSICIAN.....: Treat symptomatically.

5. FIRE FIGHTING MEASURES:

FLASH POINT.....: Not Applicable

EXTINGUISHING MEDIA.....: Water; Dry Chemical; Foam

SPECIAL FIRE FIGHTING PROCEDURES: For fires involving this material, do not enter any enclosed or confined fire space without wearing full protective clothing and self-contained breathing apparatus (SCBA) approved for firefighting. This is necessary to protect against the hazards of heat, products of combustion and oxygen deficiency. Do not breathe smoke, gases or vapors generated.

5. FIRE FIGHTING MEASURES (Continued)

-----  
UNUSUAL FIRE / EXPLOSION HAZARDS: Accumulation of overhead settled dust may form explosive concentrations in air when distributed and dispersed. The propagation of flame through air-floated dusts takes place usually following a small explosive which shakes down accumulated dust. According to NFPA 68 (Explosion Venting Guide), the Hazard Class of Dust Deflagrations for this product is St-1, the lowest hazard class.

-----  
6. ACCIDENTAL RELEASE MEASURES:  
-----

SPILL OR LEAK PROCEDURES.....: Maintain good housekeeping practices to minimize accumulation of settled dust, especially on overhead surfaces. Sweep up and place in product container or suitable substitute container.

-----  
7. HANDLING AND STORAGE:  
-----

STORAGE TEMPERATURE.....: Not Noted  
SHELF LIFE.....: Not Noted  
SPECIAL SENSITIVITY.....: Not Noted  
HANDLING/STORAGE PRECAUTIONS: Hazards to Humans and Domestic Animals: CAUTION  
- Keep out of the reach of children and animals. Environmental Hazards:  
This product is highly toxic to aquatic invertebrates. Do not place in any area where, because of the movement of water, it could be washed into a body of water containing aquatic life, such as ponds or streams. Storage: Do not contaminate water, food or feed by storage. Store in original container in a dry storage area out of reach of children and animals.

-----  
8. PERSONAL PROTECTION:  
-----

EYE PROTECTION REQUIREMENTS.....: Goggles or safety glasses with side shields.  
SKIN PROTECTION REQUIREMENTS.....: Clean body covering clothing should be sufficient. During manufacturing, when prolonged contact with bait could occur, use impervious gloves. Wash hands after handling.  
VENTILATION REQUIREMENTS.....: Where appropriate, such as during manufacturing, provide general and/or local exhaust ventilation to prevent exposure to diflubenzuron.  
RESPIRATOR REQUIREMENTS.....: When needed, based on the conditions of use, wear a NIOSH approved particulate respirator.

-----  
9. PHYSICAL AND CHEMICAL PROPERTIES:  
-----

PHYSICAL FORM.....: Powder  
APPEARANCE.....: Fluffy Powder  
COLOR.....: White  
ODOR.....: Essentially Odorless  
BOILING POINT.....: Not Applicable  
MELTING/FREEZING POINT....: Not Noted  
SOLUBILITY IN WATER .....: Diflubenzuron: 0.08 ppm @ 20-25 C.  
SPECIFIC GRAVITY .....: Not Applicable  
BULK DENSITY.....: Not Available  
VAPOR PRESSURE .....: Expected to be low.  
VAPOR DENSITY .....: Not Determined (Air = 1)

-----  
10. STABILITY AND REACTIVITY:  
-----

STABILITY.....: This is a stable material.  
HAZARDOUS POLYMERIZATION...: Will not occur.  
INCOMPATIBILITIES.....: Excessive heat and strong oxidizing agents.  
INSTABILITY CONDITIONS.....: Not Noted  
DECOMPOSITION PRODUCTS.....: Oxides of carbon and nitorgen, HCl and HF under  
burning conditions.

-----  
11. TOXICOLOGICAL INFORMATION:  
-----

While toxicological testing has not been performed on this product, the toxicological information for the active and inert ingredient(s) are as follows:

ACUTE TOXICITY

ORAL LD50.....: Diflubenzuron (Rats): >5,000 mg/kg; Inert  
Ingredient(s) (Rats): >5,000 mg/kg  
DERMAL LD50.....: Diflubenzuron (Rabbits): >2,000 mg/kg; Inert  
Ingredient(s) (Rabbits): >2,000 mg/kg  
INHALATION LC50....: Diflubenzuron (Rats): >2.5 mg/L; Inert Ingredients  
(Rats): >5.05 mg/L/4 hr.  
EYE EFFECTS.....: Diflubenzuron (Rabbits) - Negative  
SKIN EFFECTS.....: Diflubenzuron (Rabbits) - Negative  
SENSITIZATION.....: Diflubenzuron (Guinea Pigs) - negative; Inert  
Ingredient(s) (Guinea Pigs) - non-sensitizing  
CARCINOGENICITY.....: Diflubenzuron did not cause cancer in long-term animal  
studies.  
MUTAGENICITY.....: Effects on genetic material: Diflubenzuron has not

11. TOXICOLOGICAL INFORMATION (Continued)

-----  
been shown to cause changes in living cells.  
DEVELOPMENTAL TOXICITY: Birth Defects: Diflubenzuron did not cause birth defects in laboratory animals.  
REPRODUCTION.....: Diflubenzuron did not interfere with reproduction in animal studies.  
-----

12. ECOLOGICAL INFORMATION:

-----  
This product is highly toxic to aquatic invertebrates.  
-----

13. DISPOSAL CONSIDERATIONS

-----  
WASTE DISPOSAL METHOD.....: Do not contaminate water, food or feed by disposal. Pesticide Disposal: Product not disposed of by use according to label directions should be wrapped in paper and placed in a trash can. Container Disposal: Place container in a trash can. In case of spillage, this product is subject to reporting requirements of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA).  
-----

14. TRANSPORTATION INFORMATION:

-----  
TECHNICAL SHIPPING NAME.....: Diflubenzuron  
FREIGHT CLASS BULK.....: Insecticides, NOI - NMFC 102120  
FREIGHT CLASS PACKAGE.....: Insecticides, NOI - NMFC 102120  
PRODUCT LABEL.....: OUTPOST TBR Termite Bait Response

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

-----  
15. REGULATORY INFORMATION:  
-----

OSHA STATUS.....: This product is hazardous under the criteria of  
the Federal OSHA Hazard Communication Standard 29  
CFR 1910.1200.  
TSCA STATUS.....: This product is exempt from TSCA Regulation under  
FIFRA Section 3 (2) (B) (ii) when used as a  
pesticide.  
CERCLA REPORTABLE QUANTITY...: None  
SARA TITLE III:  
SECTION 302 EXTREMELY  
HAZARDOUS SUBSTANCES...: None  
SECTION 311/312  
HAZARD CATEGORIES.....: Immediate Health Hazard; Delayed Health Hazard  
SECTION 313  
TOXIC CHEMICALS.....: This product contains no Section 313 chemicals.  
RCRA STATUS.....: Not Noted

-----  
16. OTHER INFORMATION:  
-----

NFPA 704M RATINGS:      Health      Flammability      Reactivity      Other  
                                    1                      1                      0  
                                    0=Insignificant      1=Slight      2=Moderate      3=High      4=Extreme

Bayer's method of hazard communication is comprised of Product Labels and  
Material Safety Data Sheets. NFPA ratings are provided by Bayer as a customer  
service.

REASON FOR ISSUE.....: Create New MSDS  
PREPARED BY.....: V. C. Standart  
APPROVED BY.....: D. C. Eberhart  
TITLE.....: Director Product Safety & Stewardship  
APPROVAL DATE.....: 07/18/2001  
SUPERSEDES DATE.....: None  
MSDS NUMBER.....: 41655

-----  
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.  
-----