



# MATERIAL SAFETY DATA SHEET

BAYER CORPORATION  
AGRICULTURE DIVISION  
P.O. Box 4913 Hawthorn Road  
Kansas City, MO 64120-001

**TRANSPORTATION EMERGENCY:**  
CALL CHEMTREC: (800) 424-9300  
DISTRICT OF COLUMBIA: (202) 483-7616

**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

**FIRST AID MEASURES (Continued):**  
**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.

**2. COMPOSITION/INFORMATION ON INGREDIENTS:**

INGREDIENT NAME		
/CAS NUMBER	EXPOSURE LIMITS	CONCENTRATION (%)
***** HAZARDOUS INGREDIENTS *****		
Diflubenzuron		
35367-38-5	OSHA : Not Established	0.25%
	ACGIH: Not Established	

**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.  
**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.

**3. HAZARDS IDENTIFICATION:**

EMERGENCY OVERVIEW	CAUTION!
<b>Color:</b> White; <b>Form:</b> Powder; Fluffy Powder; <b>Odor:</b> Essentially Odorless; May cause skin irritation; May cause eye irritation.	
<b>POTENTIAL HEALTH EFFECTS:</b>	
<b>ROUTE(S) OF ENTRY:</b> Eye Contact; Inhalation; Skin Absorption; Skin Contact	
<b>HUMAN EFFECTS AND SYMPTOMS OF OVEREXPOSURE:</b>	
<b>ACUTE SKIN CONTACT:</b> Direct contact with skin may cause irritation.	
<b>CHRONIC SKIN CONTACT:</b> Prolonged excessive exposure may cause methemoglobinemia.	
<b>ACUTE EYE CONTACT:</b> Direct eye contact may cause irritation.	
<b>CHRONIC EYE CONTACT:</b> Prolonged excessive exposure may cause methemoglobinemia.	
<b>CARCINOGENICITY:</b> This product is not listed by NTP, IARC or regulated as a carcinogen by OSHA.	
<b>MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:</b> Not Noted	

**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.

**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.

**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

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**HANDLING AND STORAGE (Continued):**

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 nitrogen, 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.

**TOXICOLOGICAL INFORMATION (Continued):**

**ACUTE TOXICITY (continued):**

**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 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

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**REGULATORY INFORMATION (Continued):**

**SECTION 311/312 HAZARD CATEGORIES:** Immediate Health Hazard;  
Delayed Health Hazard

**SECTION 313 TOXIC CHEMICALS:** This product contains no Section 313  
chemicals.

**REGULATORY INFORMATION:**

**RCRA STATUS :** Not Noted

**16. OTHER INFORMATION:**

**NFPA 704M RATINGS:**

Health 1          Flammability 1          Reactivity 0          Other  
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:** Product Safety Manager

**APPROVAL DATE:** 07/18/2001

**SUPERSEDES DATE:** None

**MSDS NUMBER:** 41655

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