



**THE ANDERSONS
MATERIAL SAFETY DATA SHEET**

PRODUCT CODE: FRTBC12

DATE PREPARED: 06/18/07

SECTION I: PRODUCT IDENTITY

PRODUCT NAME: Fortify Above / Below Insect and Grub Control

MFR INFO: The Andersons Lawn Products
PO Box 119
Maumee, Ohio 43537

FOR EMERGENCY: (800) 757-8951

FOR INFORMATION: (419) 891-2957

CURRENT AS OF: 6/18/07

SECTION II: HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

HAZARDOUS COMPONENT	OSHA PEL	ACGIH TLV
DG Lite carrier (CAS # Not listed)	15 mg/m ³ (total) 5 mg/m ³ (respirable)	10 mg/m ³ (inhalable) 3 mg/m ³ (respirable)
Carbaryl (CAS # 63-25-2)		
Bifenthrin (CAS # 82657-04-3)		

SECTION III: PHYSICAL DATA

BOILING POINT: NA EVAPORATION RATE: NA pH: NA

VAPOR DENSITY: NA VAPOR PRESSURE: NA

MELTING POINT: NA SPECIFIC GRAVITY: NA

SOLUBILITY (IN WATER): Relatively insoluble

APPEARANCE AND ODOR: Tan granular mix, with slight odor

SECTION IV: FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: Not flammable FLAMMABLE LIMITS: NA

EXTINGUISHING MEDIA: Use media suitable for surrounding fire; foam is preferred

SPECIAL FIRE FIGHTING PROCEDURES:
Wear full protective clothing and positive-pressure self-contained breathing apparatus

UNUSUAL FIRE AND EXPLOSION HAZARDS:
Decomposition products may be toxic; carbaryl may release methyl isocyanate when heated to extremes

SECTION V: REACTIVITY DATA

CONDITIONS TO AVOID: Excessive heat

INCOMPATIBILITY: Strong acids, alkalis, oxidizers

HAZARDOUS DECOMPOSITION PRODUCTS: NO_x, CO_x, HCl, HF, SO_x methyl isocyanate

Product is stable and hazardous polymerization will not occur.

SECTION VI: PERSONAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: NIOSH approved pesticide respirator recommended

EYE PROTECTION: Safety glasses with side shields, goggles, or faceshield are recommended

SKIN PROTECTION: Long sleeves, chemical-resistant gloves recommended

VENTILATION: Local exhaust ventilation recommended; applicators should stand upwind when handling

SECTION VII: HEALTH HAZARD DATA

HEALTH HAZARDS: May be irritating to the skin, nose and respiratory tract, and may cause sore throat, coughing and shortness of breath. Skin irritation, including numbing, burning, or tingling sensations, may result from repeated or prolonged exposure. May also be irritating to the eyes, causing redness and watering. Ingestion may result in abdominal pain, nausea, diarrhea, blurred vision, sweating, salivation, muscle twitching, and tremor. Excessive exposures may produce effects associated with cholinesterase inhibition as well as nose bleeds, tremors, and convulsions. Signs and symptoms include headache, dizziness, incoordination, muscle twitching, tremors, nausea, diarrhea, abdominal cramps, sweating, pupil constriction, blurred vision, salivation, tearing, tightness in the chest, excessive urination, and convulsions. All symptoms are dose-dependent, rapid in onset, and reversible in time.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Pre-existing respiratory, skin, or eye conditions; pre-existing depression of cholinesterase or hemolytic anemia

FIRST AID PROCEDURES:

IF SWALLOWED: If victim is alert and not convulsing, give one glass of water to dilute material and induce vomiting. Seek immediate medical attention.

IF INHALED: Move victim to fresh air. Seek medical attention if irritation persists.

IF IN THE EYES: Immediately flush with water for at least 20 minutes. Seek medical attention if irritation persists.

IF ON SKIN: Shower / wash affected areas with soap and water. Seek medical attention if irritation persists. Wash contaminated clothing before re-use.

NOTE TO PHYSICIAN: Atropine by IV administration is preferable antidote. Oximes may or may not be therapeutic, but is recommended they not be used in place of atropine. Suggest serum / RBC cholinesterase determination. Treat symptomatically.

CARCINOGENICITY: None of the ingredients are known / listed carcinogens. However, product may contain trace amounts of wood dust and crystalline silica, both of which are listed by IARC as potential human carcinogens.

SECTION VIII: PRECAUTIONS FOR SAFE HANDLING AND USE

SPILL / RELEASE PROCEDURES: Collect spilled product and store to re-use. Contaminated product and/or environmental media should be recovered and disposed of properly. Bifenthrin is highly toxic to fish and aquatic organisms. Keep out of water bodies.

WASTE DISPOSAL METHOD: Read product label before disposing of product and container. Dispose of in accordance with all federal, state, and local regulations. Reuse recovered product where possible.

HANDLING / STORING PRECAUTIONS: Read product label before handling. Use only as directed on the label. Keep out of the reach of children. Store in a cool, dry, well ventilated area. Do not store near oxidizers.

SECTION IX: ADDITIONAL INFORMATION

ACTIVE INGREDIENT LEVEL (%): 2.3 as carbaryl
0.058 as bifenthrin

SARA INFORMATION:

SECTION 302: Not "extremely hazardous substances"

SECTION 313: Carbaryl and bifenthrin listed

CERCLA RQ: 100 pounds (carbaryl)

RCRA LISTING: Not listed

MSDS ID NO: 1084

REPAIRED BY: SS

The information and data contained herein is based upon facts considered to be correct as of the date hereof. Information is supplied upon the condition that the persons receiving same will make their own determination as to its suitability for their purposes prior to use. In no event will The Andersons be responsible for damages of any nature whatsoever resulting from the use or reliance upon this information. No representations or warranties, either expressed or implied, of merchantability, fitness for a particular purpose or of any other nature are made hereunder with respect to information or the product to which this information refers.