



MATERIAL SAFETY DATA SHEET

Date stamp: 24-Feb-2009

MSDS Ref. No.: 95800

Revision Number: 1

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: Scotts® AllBan® FLO Liquid Flowable Systemic Turf and Ornamental Fungicide

Description: Fungicide

Company

The Scotts Company LLC
14111 Scottslawn Road
Marysville, OH 43041

24-HOUR EMERGENCY TELEPHONE NUMBERS:

CHEMTREC (U.S.): 1-800-424-9300
CHEMTREC (International): 1-703-527-3887
Non-Emergency Calls: 1-937-644-0011

EPA Registration No.: 58185-33

Formula No.: S6927, S13713

Product Number(s): 95800, 95805, 958051

2. HAZARDS IDENTIFICATION

Labelling

Signal word: CAUTION

Precautionary Statements

Harmful if swallowed. Wash hands thoroughly after handling. Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Keep out of reach of children.

Potential health effects

Eye contact: Contact with eyes may cause irritation.

Skin contact: May cause skin irritation in susceptible persons.

Ingestion: Possible gastrointestinal tract irritation.

Inhalation: May cause irritation of respiratory tract.

Aggravated Medical Conditions:

Inhalation of dust may aggravate asthma.

Principle routes of exposure:

Skin, Inhalation, Ingestion, Eyes

Target organ effects:

Irritation.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS-No	Weight %
Other Ingredients	No CAS#	53.8
Thiophanate-methyl	23564-05-8	46.2

4. FIRST AID MEASURES

Eye contact:

If in 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. Call a poison control center or doctor for treatment advice.

Skin contact:

If on skin or clothing, 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.

Ingestion:

Call a physician or Poison Control Centre immediately. Have person sip a glass of water if able to swallow. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.

Inhalation:

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

5. FIRE-FIGHTING MEASURES

Flammable properties:

Non-flammable.

Suitable extinguishing media:

Water spray. Dry chemical.

Explosion potential:

Dust at sufficient concentrations may form explosive mixtures with air.

Explosive properties:

No information available.

Hazardous combustion products:

Combustion can produce toxic fumes and irritating gases.

Fire fighting procedures:

Select appropriate method to surround and extinguish fire

5. FIRE-FIGHTING MEASURES

Special protective equipment for firefighters: In the event of fire, wear self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Avoid contact with skin, eyes and clothing.
Environmental precautions: Prevent product from entering drains.
Methods for containment: Use good housekeeping practices. Control spill with dykes and absorb with inert absorbant material. Pick up wash liquid with absorbant material and place in container for disposal.
Methods for cleaning up: If material is uncontaminated, collect and reuse as recommended for product. If material is contaminated, put in appropriate container and dispose.

7. HANDLING AND STORAGE

Handling: Read label. Avoid container breakage. Avoid inhalation or contact with skin, eyes, or clothing. Do not contaminate water sources when disposing of equipment wash waters. Keep out of lakes, streams or ponds.

Storage: Read label. Keep containers tightly closed in a cool, well-ventilated place. Keep containers tightly closed in a dry, cool and well-ventilated place. Avoid contamination of feed and foodstuffs. Store in original container in area inaccessible to children.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Components	ACGIH:	OSHA:
Thiophanate-methyl	Not Listed	Not Listed

Engineering controls Use adequate ventilation to keep the airborne concentrations of this material below the recommended exposure standard

Personal Protective Equipment

Eye/face protection

Goggles. Face-shield. Safety glasses with side-shields.

Skin and body protection:

Wear suitable protective clothing if contact is anticipated during manufacturing. To reduce exposure potential when applying product, wear long-sleeved shirt, long pants, shoes, and socks. Chemical resistant gloves. After using product, remove clothing and wash before reuse.

Respiratory protection:

If airborne levels are high or product does not remain intact, use a combination of engineering controls (e.g. ventilation) and personal protection, e.g., NIOSH/MSHA approved respirator for dusts, mists, and fumes.

General hygiene considerations:

Wash hands before breaks and immediately after handling the product

Precautions:

Running water/eye wash station should be available.

Re-entry interval:

12 Hours.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid	Color:	Off-white
Flash point:	Not applicable	Boiling point/range:	100° F
Solubility:	Water solubility, Dispersible	Specific gravity:	1.21

10. STABILITY AND REACTIVITY

Chemically Stable: Yes.
Conditions to avoid: Extreme heat. Contact with strong alkalis, oxidizers, and reducing agents. Contact with fuels and other organic or combustible materials. Active metals such as aluminum, magnesium, and chlorine compounds.
Materials to avoid: Strong acids, bases, oxidizers, and reducing agents.
Hazardous decomposition products: Combustion may produce irritating gases and vapors. Toxic metal oxides may be produced.
Possibility of hazardous reactions: Poses little or no immediate hazard.

11. TOXICOLOGICAL INFORMATION

Acute toxicity

LD50/oral: No information available

LD50/dermal: No information available
LC50/inhalation: No information available
Eye effects: Eye irritation possible
Skin effects: Irritation not expected
Sensitization: No sensitization

Chronic toxicity

Carcinogenic effects: The table below indicates whether each agency has listed any ingredient as a carcinogen.

Components	NTP:	IARC:	OSHA:
Thiophanate-methyl	Not listed	Not listed	Not listed

Ingestion: Ingestion may cause irritation to mucous membranes.
Inhalation: May cause irritation of respiratory tract.
Target organ effects: Irritation.

12. ECOLOGICAL INFORMATION

Ecotoxicity effects: Toxic to aquatic organisms.
Persistence and degradability: Inherently biodegradable.
Bioaccumulative potential: No information available.
Mobility: Water contaminating.
Aquatic toxicity: Toxic to fish.
Additional ecological information: Do not contaminate water sources when disposing of equipment washwaters.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods: Read and follow label instructions. If empty, do not reuse container. Dispose of in accordance with local regulations and national regulations. Do not place product down any indoor or outdoor drain.
Contaminated packaging: Read and follow label instructions. Do not re-use empty containers. Triple rinse, then offer for recycling. Dispose of by incineration. Dispose of by burning.

14. TRANSPORT INFORMATION

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

DOT (Land) Not DOT regulated
DOT (AIR) Not DOT regulated
DOT (Vessel) Not DOT regulated

15. REGULATORY INFORMATION

Components	CAS-No	CERCLA/SARA 313	CERCLA/SARA 302
Thiophanate-methyl	23564-05-8	10 lb final RQ 4.54 kg final RQ	Not Listed

General Information This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

16. OTHER INFORMATION

NFPA: Health: 2 Flammability: 0 Reactivity: 1
HMS: Health: 2 Flammability: 0 Reactivity: 1

Hazard Rating: 0=Least; 1-Slight; 2=Moderate; 3=High; 4=Severe

EPA FIFRA Comment: Use of this product is regulated by the U.S. Environmental Protection Agency (EPA) through the approved product label. It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

General comment: This document contains health, safety, and environmental information useful to emergency response agencies, health care providers, manufacturers, and workers/employees. It does not replace the precautionary language, use directions, or the storage and disposal information found on the product label.

Additional Information: This information contained herein is, to the best of Scott's knowledge and belief, accurate and reliable as of the date of preparation of this document. However, no warranty or guarantee, express or implied, is made as to the accuracy or reliability, and Scotts shall not be liable for any loss or damage arising out of the use thereof. No authorization is given or implied to use any patented invention without a license. In addition, Scotts shall not be liable for any damage or injury resulting from abnormal use, from any failure to adhere to recommended practices or from any hazards inherent in the nature of the product.