



**Material Safety Data Sheet**  
**26GT® FUNGICIDE**

MSDS Number: 102000016226  
 MSDS Version 2.0  
 Revision Date: 11/25/2008

**SECTION 1. CHEMICAL PRODUCT AND COMPANY INFORMATION**

**Product Name** 26GT® FUNGICIDE  
**MSDS Number** 102000016226  
**EPA Registration No.** 432-888

Bayer Environmental Science  
 2 T.W. Alexander Drive  
 Research Triangle PK, NC 27709  
 USA

For MEDICAL, TRANSPORTATION or other EMERGENCY call: 1-800-334-7577 (24 hours/day)  
 For Product Information call: 1-800-331-2867

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

<u>Hazardous Component Name</u>	<u>CAS-No.</u>	<u>Average % by Weight</u>
Iprodione	36734-19-7	23.30
1,2-Propanediol	57-55-6	

**SECTION 3. HAZARDS IDENTIFICATION**

*NOTE: Please refer to Section 11 for detailed toxicological information.*

**Emergency Overview** Caution! Harmful if swallowed, inhaled or absorbed through the skin. Avoid contact with skin, eyes and clothing. Avoid breathing spray mist.

<b>Physical State</b>	suspension
<b>Odor</b>	aromatic
<b>Appearance</b>	white to off-white
<b>Routes of Exposure</b>	Eye contact, Skin Absorption, Inhalation, Ingestion
<b>Immediate Effects</b>	
<b>Eye</b>	May cause eye irritation. Do not get in eyes.
<b>Skin</b>	May cause slight irritation. Harmful if absorbed through skin. Avoid contact with skin and clothing.
<b>Ingestion</b>	Harmful if swallowed. Do not take internally.
<b>Inhalation</b>	Harmful if inhaled. Avoid breathing spray mist.



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<b>Chronic or Delayed Long-Term</b>	This product or its components may have long term (chronic) health effects.
<b>Medical Conditions Aggravated by Exposure</b>	Inhalation of product may aggravate existing chronic respiratory problems such as asthma, emphysema or bronchitis. Skin contact may aggravate existing skin disease.
<b>Potential Environmental Effect</b>	Toxic to invertebrates.

**SECTION 4. FIRST AID MEASURES**

<b>General</b>	When possible, have the product container or label with you when calling a poison control center or doctor or going for treatment.
<b>Eye</b>	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 physician or poison control center immediately.
<b>Skin</b>	Take off contaminated clothing and shoes immediately. Wash off immediately with plenty of water for at least 15 minutes. Call a physician or poison control center immediately.
<b>Ingestion</b>	Call a physician or poison control center immediately. Rinse out mouth and give water in small sips to drink. DO NOT induce vomiting unless directed to do so by a physician or poison control center. Never give anything by mouth to an unconscious person. Do not leave victim unattended.
<b>Inhalation</b>	Move 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 physician or poison control center immediately.
<b>Notes to Physician</b>	
<b>Hazards</b>	Contains hydrocarbon solvents. May pose an aspiration pneumonia hazard.
<b>Treatment</b>	Treat symptomatically. There is no specific antidote.

**SECTION 5. FIRE FIGHTING MEASURES**

<b>Flash point</b>	> 93.3 °C / 199.9 °F
<b>Lower Flammability Limit</b>	2.6 %(V)
<b>Upper Flammability Limit</b>	12 %(V)



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**Suitable Extinguishing Media**

Carbon dioxide (CO<sub>2</sub>), Dry chemical, Foam, Water spray

**Fire Fighting Instructions**

Avoid contact with spilled product or contaminated surfaces. Evacuate personnel to safe areas. Keep out of smoke. Fight fire from upwind position. Cool closed containers/ tanks exposed to fire with water spray. Do not allow run-off from fire fighting to enter drains or water courses.

Firefighters should wear NIOSH approved self-contained breathing apparatus and full protective clothing.

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

**Personal Precautions**

Keep unauthorized people away. Isolate hazard area. Avoid contact with spilled product or contaminated surfaces. Use personal protective equipment.

**Methods for cleaning up**

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder). Keep in suitable, closed containers for disposal. Clean contaminated floors and objects thoroughly, observing environmental regulations. Decontaminate tools and equipment following cleanup.

**Additional Advice**

Do not allow to enter soil, waterways or waste water canal. Do not allow product to contact vegetation.

**SECTION 7. HANDLING AND STORAGE**

**Handling Procedures**

Handle and open container in a manner as to prevent spillage. Use only in area provided with appropriate exhaust ventilation.

**Storing Procedures**

Store in a cool, dry place and in such a manner as to prevent cross contamination with other pesticides, fertilizers, food, and feed. Store in original container and out of the reach of children, preferably in a locked storage area.

**Work/Hygienic Procedures**

Handle in accordance with good industrial hygiene and safety practice. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, using the toilet or applying cosmetics.

Remove soiled clothing immediately and clean thoroughly before using again. Wash thoroughly and put on clean clothing.

**SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**General Protection**

Follow all label instructions. Train employees in safe use of the product.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such



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instructions for washables, use detergent and warm/tepid water. Keep and wash PPE separately from other laundry.

- Eye/Face Protection**      Chemical resistant goggles must be worn.
- Hand protection**            Chemical resistant nitrile rubber gloves
- Body Protection**            Wear long-sleeved shirt and long pants and shoes plus socks.
- Respiratory Protection**    When respirators are required, select NIOSH approved equipment based on actual or potential airborne concentrations and in accordance with the appropriate regulatory standards and/or industry recommendations.

**Exposure Limits**

Iprodione	36734-19-7	OES BCS*		2 mg/m3
		TX ESL	ST ESL	50 ug/m3
1,2-Propanediol	57-55-6	TX ESL	AN ESL	5 ug/m3
		WEEL	TWA	10 mg/m3
		TX ESL	ST ESL	20 ug/m3
		TX ESL	ST ESL	500 ppm
		TX ESL	AN ESL	2 ug/m3
		TX ESL	AN ESL	50 ppm

\*OES BCS: Internal Bayer CropScience "Occupational Exposure Standard"

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

- Appearance**                    white to off-white
- Physical State**                suspension
- Odor**                              aromatic
- pH**                                 6.0 - 6.5 (100 %)
- Density**                         approx. 1.03 g/cm<sup>3</sup> at 20 °C

**SECTION 10. STABILITY AND REACTIVITY**

- Conditions to Avoid**        Elevated temperatures  
Heat, flames and sparks.
- Incompatibility**              Strong acids  
Strong bases  
Strong oxidizing agents



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**Hazardous Decomposition Products** Thermal decomposition can lead to release of:  
Hydrogen chloride (HCl)  
Nitrogen oxides (NOx)  
Sulphur oxides

**Hazardous Reactions** Stable under recommended storage conditions.

**SECTION 11. TOXICOLOGICAL INFORMATION**

Acute toxicity data has been bridged from a very similar formulation containing a similar percentage of the active ingredient, Iprodione. The non-acute information pertains to the technical-grade active ingredient.

**Acute Oral Toxicity** male rat: LD50: > 5,000 mg/kg  
female rat: LD50: 4,619 mg/kg

**Acute Dermal Toxicity** male/female combined rat: LD50: > 2,000 mg/kg

**Acute Inhalation Toxicity** male/female combined rat: LC50: > 0.8 mg/l  
Exposure time: 4 h  
Determined in the form of liquid aerosol.  
Highest attainable concentration.  
No deaths

male/female combined rat: LC50: > 3.2 mg/l  
Exposure time: 1 h  
Determined in the form of liquid aerosol.

**Skin Irritation** rabbit: Slight irritation.

**Eye Irritation** rabbit: Minimally irritating.

**Sensitization** guinea pig: Non-sensitizing.

**Chronic Toxicity** Iprodione caused effects in the liver, adrenal, ovary and testes in chronic feeding studies.

**Assessment Carcinogenicity**

Iprodione produced benign testicular tumors in rats and benign liver and ovary tumors in mice when tested at a maximum tolerated dose.

- ACGIH**  
None.
- NTP**  
None.
- IARC**  
None.
- OSHA**  
None.



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**Reproductive & Developmental Toxicity**      REPRODUCTION: Iprodione caused toxicity in offspring at doses producing systemic toxicity in adult rats.

DEVELOPMENTAL TOXICITY: Iprodione was not a primary developmental toxicant in rats and rabbits. Developmental effects were observed but were considered secondary to maternal toxicity.

**Neurotoxicity**      Iprodione is not considered to be a neurotoxicant.

**Mutagenicity**      Iprodione was not mutagenic or genotoxic based on the overall weight of evidence in a battery of in vitro and in vivo tests.

**SECTION 12. ECOLOGICAL INFORMATION**

**Environmental Precautions**      Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Drift and runoff from treated areas may be hazardous to aquatic organisms in adjacent sites. Do not contaminate surface or ground water by cleaning equipment or disposal of wastes, including equipment wash water.

**SECTION 13. DISPOSAL CONSIDERATIONS**

**General Disposal Guidance**      Do not contaminate water, food, or feed by disposal. Dispose in accordance with all local, state/provincial and federal regulations. Follow advice on product label and/or leaflet.

**Container Disposal**      Triple rinse containers. Puncture container to avoid re-use. Follow advice on product label and/or leaflet.

**SECTION 14. TRANSPORT INFORMATION**

DOT CLASSIFICATION:  
Not regulated for any mode of transportation

FREIGHT CLASSIFICATION:  
Insecticides or Fungicides, N.O.I.; other than poison

**SECTION 15. REGULATORY INFORMATION**

**EPA Registration No.**      432-888

**US Federal Regulations**  
**TSCA list**  
1,2-Propanediol

57-55-6



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**US. Toxic Substances Control Act (TSCA) Section 12(b) Export Notification (40 CFR 707, Subpt D)**

None.

**SARA Title III - Section 302 - Notification and Information**

None.

**SARA Title III - Section 313 - Toxic Chemical Release Reporting**

None.

**US States Regulatory Reporting**

**CA Prop65**

This product does not contain any substances known to the State of California to cause cancer.

This product does not contain any substances known to the State of California to cause reproductive harm.

**US State Right-To-Know Ingredients**

1,2-Propanediol 57-55-6 MN, RI

**Canadian Regulations**

**Canadian Domestic Substance List**

1,2-Propanediol 57-55-6

**Environmental**

**CERCLA**

None.

**Clean Water Section 307 Priority Pollutants**

None.

**Safe Drinking Water Act Maximum Contaminant Levels**

None.

**SECTION 16. OTHER INFORMATION**

NFPA 704 (National Fire Protection Association):

Health - 2 Flammability - 1 Reactivity - 1 Others - none

0 = minimal hazard, 1 = slight hazard, 2 = moderate hazard, 3 = severe hazard, 4 = extreme hazard

Reason to Revise: New Material Safety Data Sheet.

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