



**26GT® FUNGICIDE**

Version 4.0 / USA  
102000016226

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Revision Date: 04/11/2014  
Print Date: 03/19/2015

**SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

**Product identifier**

**Trade name** 26GT® FUNGICIDE

**Product code (UVP)** 06083632

**SDS Number** 102000016226

**EPA Registration No.** 432-888

**Relevant identified uses of the substance or mixture and uses advised against**

**Use** Fungicide

**Restrictions on use** See product label for restrictions.

**Information on manufacturer**

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

**Emergency Telephone Number (24hr/ 7 days)** 1-800-334-7577 (24 hours/day)

**Product Information Telephone Number** 1-800-331-2867

**SDS Information or Request** [SDSINFO.BCS-NA@bayer.com](mailto:SDSINFO.BCS-NA@bayer.com)

**SECTION 2: HAZARDS IDENTIFICATION**

**Classification in accordance with regulation HCS 29CFR §1910.1200**

Aspiration hazard : Category 1



**Signal word:** Danger

**Hazard statements**

May be fatal if swallowed and enters airways.

**Precautionary statements**

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

Do NOT induce vomiting.

Store locked up.

Dispose of contents/container in accordance with local regulation.

**Other hazards**



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No other hazards known.

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**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

<b>Hazardous Component Name</b>	<b>CAS-No.</b>	<b>Average % by Weight</b>
Iprodione	36734-19-7	23.30
1,2-Propanediol	57-55-6	4.90
Naphthalene and alkyl naphthalene sulphonic acids formaldehyde condensate, sodium salt	68425-94-5	1.70
Distillates (petroleum), solvent-refined light paraffinic	64741-89-5	32.30

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**SECTION 4: FIRST AID MEASURES**

**Description of first aid measures**

<b>General advice</b>	When possible, have the product container or label with you when calling a poison control center or doctor or going for treatment.
<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>Skin contact</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>Eye contact</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>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.

**Most important symptoms and effects, both acute and delayed**

<b>Symptoms</b>	To date no symptoms are known.
<b>Indication of any immediate medical attention and special treatment needed</b>	
<b>Risks</b>	Contains hydrocarbon solvents. May pose an aspiration pneumonia hazard.
<b>Treatment</b>	Appropriate supportive and symptomatic treatment as indicated by the patient's condition is recommended. There is no specific antidote.

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### SECTION 5: FIREFIGHTING MEASURES

#### Extinguishing media

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

**Unsuitable** None known.

**Special hazards arising from the substance or mixture** Dangerous gases are evolved in the event of a fire.

#### Advice for firefighters

**Special protective equipment for fire-fighters** Firefighters should wear NIOSH approved self-contained breathing apparatus and full protective clothing.

**Further information** Keep out of smoke. Fight fire from upwind position. Cool closed containers exposed to fire with water spray. Do not allow run-off from fire fighting to enter drains or water courses.

**Flash point** > 93.3 °C

**Autoignition temperature** no data available

**Lower explosion limit** 2.6 %(V)

**Upper explosion limit** 12 %(V)

**Explosivity** no data available

**Dust explosion class** Not applicable.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

#### Personal precautions, protective equipment and emergency procedures

**Precautions** Keep unauthorized people away. Isolate hazard area. Avoid contact with spilled product or contaminated surfaces.

#### Methods and materials for containment and cleaning up

**Methods for cleaning up** Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Collect and transfer the product into a properly labelled and tightly closed container. Clean contaminated floors and objects thoroughly, observing environmental regulations.

**Additional advice** Use personal protective equipment. Do not allow to enter soil, waterways or waste water canal.

**Reference to other sections** Information regarding safe handling, see section 7.  
Information regarding personal protective equipment, see section 8.  
Information regarding waste disposal, see section 13.



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**SECTION 7: HANDLING AND STORAGE**

**Precautions for safe handling**

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

**Hygiene measures** Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, using the toilet or applying cosmetics.  
Remove Personal Protective Equipment (PPE) immediately after handling this product. Before removing gloves clean them with soap and water. Remove soiled clothing immediately and clean thoroughly before using again. Wash thoroughly and put on clean clothing.

**Conditions for safe storage, including any incompatibilities**

**Requirements for storage areas and containers** Store in a cool, dry place and in such a manner as to prevent cross contamination with other crop protection products, fertilizers, food, and feed. Store in original container and out of the reach of children, preferably in a locked storage area.

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

**Control parameters**

Components	CAS-No.	Control parameters	Update	Basis
Iprodione	36734-19-7	2 mg/m3 (TWA)		OES BCS*
Iprodione	36734-19-7	5ug/m3 (AN ESL)	07 2011	TX ESL
Iprodione	36734-19-7	50ug/m3 (ST ESL)	07 2011	TX ESL
1,2-Propanediol (Vapor.)	57-55-6	1000ug/m3 (ST ESL)	02 2013	TX ESL
1,2-Propanediol (Vapor.)	57-55-6	50ppb (AN ESL)	02 2013	TX ESL
1,2-Propanediol (Vapor.)	57-55-6	500ppb (ST ESL)	02 2013	TX ESL
1,2-Propanediol (Vapor.)	57-55-6	100ug/m3 (AN ESL)	02 2013	TX ESL
1,2-Propanediol (Aerosol.)	57-55-6	10 mg/m3 (TWA)	2010	WEEL
Distillates (petroleum), solvent-refined light paraffinic (Mist.)	64741-89-5	5 mg/m3 (TWA)	01 2006	ACGIH
Distillates (petroleum), solvent-refined light paraffinic (Mist.)	64741-89-5	10 mg/m3 (STEL)	01 2006	ACGIH



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Distillates (petroleum), solvent-refined light paraffinic (Inhalable fraction.)	64741-89-5	0.2 mg/m3 (TWA)	01 2006	ACGIH NIC
Distillates (petroleum), solvent-refined light paraffinic	64741-89-5	50ug/m3 (ST ESL)	10 2003	TX ESL
Distillates (petroleum), solvent-refined light paraffinic	64741-89-5	5ug/m3 (AN ESL)	10 2003	TX ESL

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

**Exposure controls**

**Personal protective equipment**

In normal use and handling conditions please refer to the label and/or leaflet. In all other cases the following recommendations would apply.

**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.

**Hand protection**

Chemical resistant nitrile rubber gloves

**Eye protection**

Chemical resistant goggles must be worn.

**Skin and body protection**

Wear long-sleeved shirt and long pants and shoes plus socks.

**General protective measures**

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and warm/tepid water.  
Keep and wash PPE separately from other laundry.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance</b>	white to light beige
<b>Physical State</b>	suspension
<b>Odor</b>	aromatic
<b>Odour Threshold</b>	no data available
<b>pH</b>	6.0 - 6.5 at 100 %
<b>Vapor Pressure</b>	no data available
<b>Vapor Density (Air = 1)</b>	no data available
<b>Density</b>	ca. 1.03 g/cm <sup>3</sup> at 20 °C
<b>Evaporation rate</b>	not applicable
<b>Boiling Point</b>	no data available
<b>Melting / Freezing Point</b>	no data available



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<b>Water solubility</b>	dispersible
<b>Minimum Ignition Energy</b>	no data available
<b>Decomposition temperature</b>	no data available
<b>Partition coefficient: n-octanol/water</b>	no data available
<b>Viscosity</b>	1,000 - 1,500 cps
<b>Flash point</b>	> 93.3 °C
<b>Autoignition temperature</b>	no data available
<b>Lower explosion limit</b>	2.6 %(V)
<b>Upper explosion limit</b>	12 %(V)
<b>Explosivity</b>	no data available
<b>Dust explosion class</b>	Not applicable.

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**SECTION 10: STABILITY AND REACTIVITY**

**Reactivity**

<b>Thermal decomposition</b>	no data available
<b>Chemical stability</b>	Stable under recommended storage conditions.
<b>Possibility of hazardous reactions</b>	No dangerous reaction known under conditions of normal use.
<b>Conditions to avoid</b>	Elevated temperatures Heat, flames and sparks.
<b>Incompatible materials</b>	Strong acids, Strong bases, Strong oxidizing agents
<b>Hazardous decomposition products</b>	No decomposition products expected under normal conditions of use.

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**SECTION 11: TOXICOLOGICAL INFORMATION**

<b>Exposure routes</b>	Eye contact, Skin Absorption, Inhalation, Ingestion
<b>Immediate Effects</b>	
<b>Skin</b>	Harmful if absorbed through skin.
<b>Ingestion</b>	Harmful if swallowed.
<b>Inhalation</b>	Harmful if inhaled.
<b>Information on toxicological effects</b>	
<b>Acute oral toxicity</b>	LD50 (male rat) > 5,000 mg/kg



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	LD50 (female rat) 4,619 mg/kg
<b>Acute inhalation toxicity</b>	LC50 (male/female combined rat) > 0.8 mg/l Exposure time: 4 h Determined in the form of liquid aerosol. Highest attainable concentration. No deaths
	LC50 (male/female combined rat) > 3.2 mg/l Exposure time: 1 h Determined in the form of liquid aerosol. Extrapolated from the 4 hr LC50.
<b>Acute dermal toxicity</b>	LD50 (male/female combined rat) > 2,000 mg/kg
<b>Skin irritation</b>	Slight irritation (rabbit)
<b>Eye irritation</b>	Minimally irritating. (rabbit)
<b>Sensitisation</b>	Non-sensitizing. (guinea pig)

**Assessment repeated dose toxicity**

Iprodione caused specific target organ toxicity in experimental animal studies in rats in the following organ(s): adrenal gland.

**Assessment Mutagenicity**

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

**Assessment Carcinogenicity**

Iprodione caused at high dose levels an increased incidence of tumours in the following organ(s): liver, testes. The mechanism that triggers tumours in rodents and the type of tumours observed are not relevant to humans.

**ACGIH**

None.

**NTP**

Distillates (petroleum), solvent-refined light paraffinic 64741-89-5

**IARC**

Distillates (petroleum), solvent-refined light paraffinic 64741-89-5 Overall evaluation: 1

**OSHA**

None.

**Assessment toxicity to reproduction**

Iprodione did not cause reproductive toxicity in a two-generation study in rats.

**Assessment developmental toxicity**

Iprodione caused developmental toxicity only at dose levels toxic to the dams. The developmental effects seen with Iprodione are related to maternal toxicity.



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**Further information**

Acute toxicity studies have been bridged from a similar formulation(s).  
The non-acute information pertains to the active ingredient(s).

**SECTION 12: ECOLOGICAL INFORMATION**

<b>Toxicity to fish</b>	LC50 (Rainbow trout ( <i>Oncorhynchus mykiss</i> )) 4.1 mg/l Exposure time: 96 h The value mentioned relates to the active ingredient iprodione.
<b>Toxicity to aquatic invertebrates</b>	EC50 (Water flea ( <i>Daphnia magna</i> )) 0.25 mg/l Exposure time: 48 h The value mentioned relates to the active ingredient iprodione.
<b>Toxicity to aquatic plants</b>	IC50 ( <i>Scenedesmus subspicatus</i> ) 15.3 mg/l Exposure time: 72 h The value mentioned relates to the active ingredient iprodione.
<b>Biodegradability</b>	Iprodione: ; not rapidly biodegradable
<b>Koc</b>	Iprodione: Koc: 202 - 543
<b>Bioaccumulation</b>	Iprodione: Bioconcentration factor (BCF) 70; Does not bioaccumulate.
<b>Mobility in soil</b>	Iprodione: Moderately mobile in soils
<b>Environmental precautions</b>	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**

**Waste treatment methods**

<b>Product</b>	Do not contaminate water, food, or feed by disposal. Pesticide, spray mixture or rinse water that cannot be used according to label instructions may be disposed of on site or at an approved waste disposal facility. Dispose in accordance with all local, state/provincial and federal regulations. Follow advice on product label and/or leaflet.
<b>Contaminated packaging</b>	Triple rinse containers. Then offer for recycling or reconditioning or puncture and dispose of in a sanitary landfill or incineration, or if allowed by State and Local authorities, by burning. Follow advice on product label and/or leaflet.





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**RCRA Information** Characterization and proper disposal of this material as a special or hazardous waste is dependent upon Federal, State and local laws and are the user's responsibility. RCRA classification may apply.

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**SECTION 14: TRANSPORT INFORMATION**

**49CFR** Not dangerous goods / not hazardous material

**IMDG**

UN number **3082**  
Class **9**  
Packaging group **III**  
Marine pollutant **YES**  
Proper shipping name **ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (IPRODIONE SOLUTION)**

**IATA**

UN number **3082**  
Class **9**  
Packaging group **III**  
Environm. Hazardous Mark **YES**  
Proper shipping name **ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (IPRODIONE SOLUTION )**

This transportation information is not intended to convey all specific regulatory information relating to this product. It does not address regulatory variations due to package size or special transportation requirements.

Freight Classification: **INSECTICIDES OR FUNGICIDES, N.O.I., OTHER THAN POISON**

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**SECTION 15: REGULATORY INFORMATION**

**EPA Registration No.** 432-888

**US Federal Regulations**

**TSCA list**

1,2-Propanediol 57-55-6  
Naphthalene and alkyl naphthalene 68425-94-5  
sulphonic acids formaldehyde condensate, sodium salt  
Distillates (petroleum), solvent-refined 64741-89-5  
light paraffinic

**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.



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

None.

**US States Regulatory Reporting**

**CA Prop65**

This product contains a chemical known to the State of California to cause cancer.

Iprodione 36734-19-7

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

1,2-Propanediol	57-55-6	MN
Distillates (petroleum), solvent-refined light paraffinic	64741-89-5	CA, MA

**Canadian Regulations**

**Canadian Domestic Substance List**

Naphthalene and alkyl naphthalene sulphonic acids formaldehyde condensate, sodium salt	68425-94-5
Distillates (petroleum), solvent-refined light paraffinic	64741-89-5

**Environmental**

**CERCLA**

None.

**Clean Water Section 307 Priority Pollutants**

None.

**Safe Drinking Water Act Maximum Contaminant Levels**

None.

**International Regulations**

**European Inventory of Existing Commercial Substances (EINECS)**

Iprodione	36734-19-7
Distillates (petroleum), solvent-refined light paraffinic	64741-89-5

**EPA/FIFRA Information:**

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information required on the pesticide label:

**Signal word:** Caution!

**Hazard statements:** Harmful if swallowed, inhaled or absorbed through the skin.  
Avoid contact with skin, eyes and clothing.  
Avoid breathing spray mist.

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**SECTION 16: OTHER INFORMATION**

# Bayer Environmental Science

## SAFETY DATA SHEET



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#### **NFPA 704 (National Fire Protection Association):**

Health - 2      Flammability - 1      Instability - 1      Others - none

#### **HMIS (Hazardous Materials Identification System, based on the Third Edition Ratings Guide)**

Health - 2      Flammability - 1      Physical Hazard - 0      PPE -

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

**Reason for Revision:** Revised according to the current OSHA Hazard Communication Standard (29CFR1910.1200)

**Revision Date:** 04/11/2014

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