

**26GT FUNGICIDE**

MSDS Version 2.3

SECTION 1. CHEMICAL PRODUCT AND COMPANY INFORMATION

Product Name 26GT FUNGICIDE
Chemical Name Glycophene; Promidione; Iprodione; RP 26019
Synonym
MSDS Number 38
Chemical Family
Chemical Formulation C13H13Cl2N3O3
EPA Registration No. 432-888
Canadian Registrat. No.

Bayer Environmental Science
 95 Chestnut Ridge Road
 Montvale, NJ 07645
 USA

For Product Use Information: (800)331-2867 Monday through Friday
 8:00AM-4:30PM

For Medical Emergency contact DART: (800) 334-7577 24 Hours/Day

For Transportation Emergency CHEMTREC: (800) 424-9300 24 Hours/Day

Product Use Description FIFRA regulated use only.

SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Component Name</u>	<u>CAS No.</u>	<u>Concentration % by Weight</u>	
		<u>Minimum</u>	<u>Maximum</u>
IPRODIONE	36734-19-7	23.3000	
1,2-Propylene glycol	57-55-6		
Other ingredients (Trade secret)			

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SECTION 3. HAZARDS IDENTIFICATION

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

Emergency Overview

Caution. Keep out of the reach of children. Hazard to humans and domestic animals. Harmful if inhaled or swallowed.

Physical State

liquid viscous

Odor

aromatic

Appearance

white

Immediate Effects

Eye

Causes irritation, redness. Avoid contact with eyes. In case of eye contact, flush eyes with plenty of water. Get medical attention if irritation persists.

Skin

Essentially non-irritating. Harmful if absorbed through the skin. Avoid contact with skin or clothing. In case of contact, immediately flush skin with plenty of water. Get medical attention if irritation persists.

Ingestion

Harmful if swallowed. May cause nausea, vomiting, abdominal pain, loss of coordination.

Inhalation

Harmful if inhaled. Can cause upper respiratory tract irritation. Avoid breathing vapor spray mist.

Chronic or Delayed Long-Term

This product does not contain any ingredients designated by IARC, NTP, ACGIH or OSHA as probable or suspected human carcinogens.

Medical Conditions Aggravated by Exposure

Inhalation of product may aggravate existing chronic respiratory problems such as asthma, emphysema or bronchitis. Skin contact may aggravate existing skin disease.

SECTION 4. FIRST AID MEASURES

Eye

Hold eye open and rinse slowly and gently with water for 15-20 minutes. Seek medical attention.

Skin

In case of contact, immediately wash with plenty of soap and water for at least 15 minutes. Seek medical attention. Remove contaminated clothing and shoes while washing. Clean contaminated clothing and shoes before re-use or discard if they cannot be thoroughly cleaned.

Ingestion

If victim is conscious and alert, give 2-3 glasses of water to drink and induce vomiting by touching back of throat with a finger. Do not induce vomiting or give anything by mouth to an unconscious person. Seek immediate medical attention. Do not leave victim unattended. Vomiting may occur spontaneously. To prevent aspiration of swallowed product, lay victim on side with head lower than waist. If

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vomiting occurs and the victim is conscious, give water to further dilute the chemical.

Inhalation

Remove victim from immediate source of exposure and assure that the victim is breathing. If breathing is difficult, administer oxygen, if available. If victim is not breathing, administer CPR (cardio-pulmonary resuscitation). Seek medical attention.

Note to Physician

All treatment should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

Treat symptomatically. No specific antidote available.

This product is irritating to mucous membranes. If large amounts (greater than 1 ml/kg body weight) of the product have been ingested, the stomach should be evacuated by gastric intubation with the aid of a cuffed endotracheal tube to prevent exposure of the esophagus. After removal of stomach contents, wash stomach by instilling 30-50 g. of activated charcoal in 3-4 ounces of water through the stomach tube and again remove stomach contents. Avoid oily laxatives.

SECTION 5. FIRE FIGHTING MEASURES

Flash Point	> 93 °C / > 199 °F Method: Closed Cup Flammability Class: WILL BURN.
Lower Flammable Limit	2.6 %(V)
Upper Flammable Limit	12 %(V)
Fire and Explosion Hazards	Under fire conditions, toxic, corrosive fumes are emitted.
Suitable Extinguishing Media	Small Fires:, dry chemical, carbon dioxide (CO2) Large Fires:, foam, water spray
Fire Fighting Instructions	Firefighters should wear NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing. Dike areas to prevent runoff and contamination of water sources. Dispose of fire control water later.

SECTION 6. ACCIDENTAL RELEASE MEASURES

General and Disposal	Evacuation Procedures and Safety: Wear appropriate gear for the situation. See Personal Protection information in Section 8.
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Cleanup and Disposal of Spill: Pump any free liquid into an appropriate closed container. Clean up residual material as appropriate. Absorb with vermiculite or other inert absorbent. Decontaminate tools and equipment following cleanup. Collect washings for disposal.

Land Spill or Leaks

Containment of Spill: Dike spill using absorbent or impervious materials such as earth, sand or clay. Collect and contain contaminated absorbent and dike material for disposal.

Environmental and Regulatory Reporting: Prevent material from entering public sewer system or any waterway. Do not flush to drain. If spilled on the ground, the affected area should be removed to a depth of one or two inches and placed in an appropriate container for disposal.

SECTION 7. HANDLING AND STORAGE

Handling Procedures

Do not ingest. Avoid direct or prolonged contact with skin and eyes. Do not breathe vapors and mists. Use handling, storage and disposal procedures that will prevent contamination of water, food or feed.

Storing Procedures

Store in an area that is away from ignition sources. Store in an area away from food, feedstuffs, fertilizers and seed. Do not contaminate water, food, or feed by storage or disposal.

Work/Hygienic Procedures

Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.

Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

Remove Personal Protective Equipment (PPE) immediately after handling this product. Wash the outside of gloves before removing. Then wash thoroughly and put on clean clothing.

Follow manufacturer's instructions for cleaning/maintaining Personal Protective Equipment (PPE). If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this products concentrate. Do not reuse them.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

Min/Max Storage Temperatures

Not Available

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SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls	When handlers used closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [(40 CFR 170.240(d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.
Eye/Face Protection	<p>Eye and face protection requirements will vary dependent upon work environment conditions and material handling practices. Appropriate ANSI Z87 approved equipment should be selected for the particular use intended for this material.</p> <p>It is generally regarded as good practice to wear a minimum of safety glasses with side shields when working in industrial environments.</p>
Body Protection	<p>Skin contact should be minimized through use of gloves and suitable long-sleeved clothing (i.e., shirts and pants). Consideration must be given both to durability as well as permeation resistance.</p> <p>Applicators and other handlers must wear: Long-sleeved shirt and long pants Chemical resistant gloves, such as barrier laminate, or Vitron \geq 14 mils chemical resistant apron Chemical resistance footwear plus socks.</p>
Respiratory Protection	<p>When respirators are required, select NIOSH/MSHA approved equipment based on actual or potential airborne concentrations and in accordance with the appropriate regulatory standards and/or industrial recommendations.</p> <p>Under normal conditions, in the absence of other airborne contaminants, the following should provide protection from this material up to the conditions specified by the appropriate OSHA, WHMIS or ANSI standard(s): Air-purifying (half-mask/full-face) respirator with cartridge/canister approved for use against dusts, mists and fumes, pesticides.</p> <p>Under conditions immediately dangerous to life or health, or emergency conditions with unknown concentrations, use a full-face positive pressure air-supplied respirator equipped with an emergency escape air supply unit or use a self-contained breathing apparatus unit.</p>
General Protection	<p>These recommendations provide general guidance for handling this product. Because specific work environments and material handling practices vary, safety procedures should be developed for each intended application. While developing safe handling procedures, do not overlook the need to clean equipment and piping systems for maintenance and repairs. Waste resulting from these procedures should be handled in accordance with Section 13: Disposal Considerations.</p> <p>Assistance with selection, use and maintenance of worker protection equipment is generally available from equipment manufacturers.</p>

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Exposure Limits

1,2-Propylene glycol	57-55-6	WEEL	TWA	50 ppm
		Form of Exposure	Total vapor and aerosol.	
		WEEL	TWA	10 mg/m3
		Form of Exposure	Aerosol.	
		ACGIH	TWA	3 mg/m3
		Form of Exposure	Respirable.	
		US CA OEL	TWA PEL	5 mg/m3
		Form of Exposure	Respirable fraction.	
		US CA OEL	TWA PEL	10 mg/m3
		Form of Exposure	Total dust.	
		US CA OEL	TWA PEL	5 mg/m3
		Form of Exposure	Respirable fraction.	
		US CA OEL	TWA PEL	5 mg/m3
		Form of Exposure	Respirable fraction.	
US CA OEL	TWA PEL	10 mg/m3		
Form of Exposure	Total dust.			
US CA OEL	TWA PEL	10 mg/m3		
Form of Exposure	Total dust.			
ACGIH	TWA	10 mg/m3		
Form of Exposure	Inhalable particulate.			

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	white
Physical State	liquid viscous
Odor	aromatic
pH	7 at 100 wt/wt%.
Vapor Pressure	18 mmHg at 20 °C
Vapor Density (air = 1)	Not available
Specific Gravity	1.03 at 20 °C
Boiling Point	100 °C at 760 mmHg
Melting/Freezing Point	Not available
Solubility (in water)	dispersible

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Molecular Weight 330.19 g/mol

Other Information Physical and Chemical properties here represent typical properties of this product. Contact the business area using the Product Information phone number in Section 1 for its exact specifications.

SECTION 10. STABILITY AND REACTIVITY

Chemical Stability This material is stable under normal handling and storage conditions described in Section 7.

Conditions to Avoid open flame
elevated temperatures
spark
static electricity

Incompatibility strong bases
strong acids
strong oxidizing agents

Hazardous Products of Decomposition Decomposition Type: thermal
hydrogen chloride
oxides of nitrogen
oxides of sulfur

Hazardous Polymerization (Conditions to avoid) not applicable

SECTION 11. TOXICOLOGICAL INFORMATION

Acute Oral Toxicity Rat: LD50: > 5,000 mg/kg

Acute Dermal Toxicity Rabbit: LD50: > 2,000 mg/kg

Acute Inhalation Toxicity Rat: LC50: 2.03 mg/l 4 h

Acute Respiratory Irritation:
No test data found for product.

Skin Irritation Rabbit: Non-irritating.

Eye Irritation Rabbit: Slightly irritating.
Irritation is transient.

Chronic Toxicity No additional test data found for product.

Assessment Carcinogenicity

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ACGIH

None

NTP

None

IARC

None

OSHA

None

SECTION 12. ECOLOGICAL INFORMATION

Environmental Precautions This product is toxic to invertebrates. 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 may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment washwaters.

Ecological Information No data found for product.

Environmental Fate No data found for product.

SECTION 13. DISPOSAL CONSIDERATIONS

General Disposal Guidance Chemical additions, processing or otherwise altering this material may make the waste management information presented in this MSDS incomplete, inaccurate or otherwise inappropriate. Please be advised that state and local requirements for waste disposal may be more restrictive or otherwise different from federal laws and regulations. Consult state and local regulations regarding the proper disposal of this material.

Wastes resulting from use of this product may be disposed of on site or at an approved waste disposal facility.

Container Disposal Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

EPA HAZARDOUS WASTE - NO

RCRA Classification Not Regulated under this Statute

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SECTION 14. TRANSPORT INFORMATION

The listed Transportation Classification does not address regulatory variations due to changes in package size, mode of shipment or other regulatory descriptors.

US Department of Transportation
Shipping Name: NOT REGULATED

SECTION 15. REGULATORY INFORMATION

US Federal

EPA Registration No. 432-888

TSCA list
1,2-Propylene glycol 57-55-6

TSCA 12b export notification

None

SARA Title III - section 302 - notification and information

None

SARA Title III - section 313 - toxic chemical release reporting

None

US States Regulatory

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-Propylene glycol 57-55-6 PA, RI

Canadian Regulations

Canadian Registrat. No.

Canadian Domestic Substance List

1,2-Propylene glycol 57-55-6

Environmental

CERCLA

None

Clean Water Section 307 Priority Pollutants

None

Safe Drinking Water Act Maximum Contaminant Levels

None

International Regulations

EU Classification

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IPRODIONE 36734-19-7 Harmful Dangerous for the environment
R Phrases Possible risks of irreversible effects. Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
S Phrases Keep out of the reach of children. Wear suitable protective clothing and gloves. This material and its container must be disposed of as hazardous waste. Avoid release to the environment. Refer to special instructions/safety data sheets.

European Inventory of Existing Commercial Substances (EINECS)

1,2-Propylene glycol

57-55-6

SECTION 16. OTHER INFORMATION

	Health	Flammability	Reactivity	Others
HMIS	2	1	0	
NFPA	2	1	0	

Reason for Revisions: Company name change.

Print Date: 12/03/2002

Supersedes MSDS, which is older than: 12/03/2002

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