

**CHIPCO® 26019 BRAND FUNGICIDE**

MSDS Version 1.3

SECTION 1. CHEMICAL PRODUCT AND COMPANY INFORMATION

Product Name CHIPCO® 26019 BRAND FUNGICIDE
Chemical Name GLYCOPHENE, PROMIDIONE, IPRODIONE, RP 26019
Synonym
MSDS Number 40
Chemical Family
Chemical Formulation C13H13Cl2N3O3
EPA Registration No. 432-889
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 | 50.0000 | |
| QUARTZ | 14808-60-7 | 3.1000 | |
| Other ingredients (Trade secret) | | | |

Material Safety Data Sheet

CHIPCO® 26019 BRAND FUNGICIDE

MSDS Number: 000000000040

MSDS Version 1.3

SECTION 3. HAZARDS IDENTIFICATION

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

Emergency Overview

CAUTION!

| | |
|--------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Physical State | solid |
| Odor | odorless |
| Appearance | off-white powder |
| Immediate Effects | |
| Eye | Causes irritation, redness, tearing. |
| Skin | Harmful if absorbed through skin. Causes irritation, redness, swelling. |
| Ingestion | Harmful if ingested. May cause intoxication, loss of coordination, prostration. |
| Inhalation | Harmful if inhaled. May cause respiratory tract irritation. |
| Chronic or Delayed Long-Term | This product does not contain any ingredient 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 eyelids open and flush with a steady, gentle stream of water for at least 15 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 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 |

Material Safety Data Sheet

CHIPCO® 26019 BRAND FUNGICIDE

MSDS Number: 000000000040

MSDS Version 1.3

attention.

Note to Physician

All treatments 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.

SECTION 5. FIRE FIGHTING MEASURES

| | |
|------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Flash Point | Not Applicable |
| Fire and Explosion Hazards | Under fire conditions, toxic, corrosive fumes are emitted. |
| Suitable Extinguishing Media | Not combustible. Use extinguishing method suitable for surrounding fire. |
| Fire Fighting Instructions | Firefighters should wear NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing. Dike area to prevent runoff and contamination of water sources. Dispose of fire control water later. |

SECTION 6. ACCIDENTAL RELEASE MEASURES

| | |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| General and Disposal | <p>Evacuation Procedures and Safety: Wear appropriate protective gear for the situation. See Personal Protection information in Section 8. Stay upwind if possible.</p> <p>Cleanup and Disposal of Spill: Scrape up and place in appropriate closed container (see Section 7: Handling and Storage). Clean up residual material by washing area with water. Collect washings for disposal. Decontaminate tools and equipment following cleanup. Avoid creation of dusty conditions.</p> |
| Land Spill or Leaks | <p>Containment of Spill: Follow procedure described below under Cleanup and Disposal of Spill.</p> <p>Environmental and Regulatory Reporting 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. Prevent material from entering public sewer system or any waterways.</p> |

SECTION 7. HANDLING AND STORAGE

| | |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Handling Procedures | Do not ingest. Do not breathe dusts. Avoid direct or prolonged contact with skin and eyes. It is recommended that all dust control equipment and material |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|

Material Safety Data Sheet

CHIPCO® 26019 BRAND FUNGICIDE

MSDS Number: 000000000040

MSDS Version 1.3

transport systems involved in handling of this product contain explosion relief vents or explosion suppression system or an oxygen deficient environment. In addition, all conductive elements of the system that contact this material should be electrically bonded and grounded. This powder should not be flowed through non-conductive ducts or pipes. Use only appropriately classed electrical equipment.

Storing Procedures

Store in an area that is away from food, feedstuffs, fertilizers and seed.

Work/Hygienic Procedures

Personal hygiene is an important work practice exposure control measure and the following general measures should be taken when working with or handling this material:

- (1) Do not store, use, and/or consume foods, beverages, tobacco products, or cosmetics in areas where this material is stored.
- (2) Wash hands and face carefully before eating, drinking, using tobacco, applying cosmetics, or using the toilet.
- (3) Wash exposed skin promptly to remove accidental splashes of contact with this material.

Min/Max Storage Temperatures

Not Available

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls

Where engineering controls are indicated by use conditions or a potential for excessive exposure exists, the following traditional exposure control techniques may be used to effectively minimize employee exposures.

Eye/Face Protection

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.

It is generally regarded as good practice to wear a minimum of safety glasses with side shields when working in industrial environments.

Body Protection

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.

Respiratory Protection

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.

Under normal conditions, in the absence of other airborne contaminants, the following devices should provide protection from this material up to the

Material Safety Data Sheet

CHIPCO® 26019 BRAND FUNGICIDE

MSDS Number: 000000000040

MSDS Version 1.3

conditions specified by the appropriate OSHA, WHMIS or ANSI standard(s): Air-purifying (half-mask/full-face) respirator with cartridges/canister approved for use against dusts, mists and fumes, pesticides.

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.

General Protection

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.

Assistance with selection, use and maintenance of worker protection equipment is generally available from equipment manufacturers.

Exposure Limits

| | | | | | |
|--------|------------|------------------|------------------|--|------------|
| QUARTZ | 14808-60-7 | NIOSH | REL | | 0.05 mg/m3 |
| | | Form of Exposure | Respirable dust. | | |
| | | OSHA Z1A | TWA | | 0.1 mg/m3 |
| | | Form of Exposure | Respirable dust. | | |
| | | US CA OEL | TWA PEL | | 0.1 mg/m3 |
| | | Form of Exposure | Respirable dust. | | |
| | | US CA OEL | TWA PEL | | 0.3 mg/m3 |
| | | Form of Exposure | Total dust. | | |
| | | ACGIH | TWA | | 0.05 mg/m3 |

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|-------------------------|------------------|
| Appearance | off-white powder |
| Physical State | solid |
| Odor | odorless |
| pH | Not applicable |
| Vapor Pressure | Not Available |
| Vapor Density (air = 1) | Not Available |
| Specific Gravity | Not Available |

Material Safety Data Sheet

CHIPCO® 26019 BRAND FUNGICIDE

MSDS Number: 000000000040

MSDS Version 1.3

| | |
|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Boiling Point | Not Available |
| Melting/Freezing Point | Not Available |
| Solubility (in water) | slightly soluble |
| Molecular Weight | 330.19 |
| 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 | none known |
| Incompatibility | strong bases strong acids strong oxidizing agents |
| Hazardous Products of Decomposition | Decomposition Type: thermal hydrogen chloride oxides of nitrogen |
| Hazardous Polymerization (Conditions to avoid) | not applicable |

SECTION 11. TOXICOLOGICAL INFORMATION

| | |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Acute Oral Toxicity | LD50 - lethal dose 50% of test species, > 5000 mg/kg, rat. |
| Acute Dermal Toxicity | LD50 - lethal dose 50% of test species, > 2000 mg/kg, rabbit. |
| Acute Inhalation Toxicity | Acute Respiratory Irritation: No test data found for product. Acute Inhalation Toxicity: LC50 - lethal concentration 50% of test species, > 2.96 mg/l/4 hr, rat |
| Skin Irritation | (Rabbit) Moderately irritating. |
| Eye Irritation | Rabbit. Moderately irritating. |

Material Safety Data Sheet

CHIPCO® 26019 BRAND FUNGICIDE

MSDS Number: 000000000040

MSDS Version 1.3

The above data is for the specified ingredients.

Chronic Toxicity No additional test data found for product.

Assessment Carcinogenicity

ACGIH

QUARTZ

14808-60-7

Group A2

NTP

QUARTZ

14808-60-7

IARC

OSHA

None

SECTION 12. ECOLOGICAL INFORMATION

Ecological Information The following data is based on the technical grade active ingredient(s) (TGAi).

Ecotoxicological Information and Interpretation:

Mallard Duck (*Anas platyrhynchos*) LC50 - lethal concentration 50% of test species: 5620 mg/kg/8 days
Dietary concentrations. Nominal concentration.

Bobwhite Quail (*Colinus virginianus*).LC50 - lethal concentration 50% of test species: 5620 mg/kg/8 days
Dietary concentrations. Nominal concentrations.

Daphnia magna EC50 - effective concentration 50% of test species: 0.25 mg/l/48 hr
Mean concentration. Flow-through.

Rainbowtrout (*Oncorhynchus mykiss*) LC50 - lethal concentration 50% of test species: 4.1 mg/l/96 hr
Mean concentration. Flow-through.

Bluegill Sunfish (*Lepomis macrochirus*) LC50 - lethal concentration 50% of test species: 3.7 mg/l/96 hr
Mean concentration. Flow-through.

Material Safety Data Sheet

CHIPCO® 26019 BRAND FUNGICIDE

MSDS Number: 000000000040

MSDS Version 1.3

Environmental Fate

For chemical fate data call the product information phone number listed in Section 1.

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.

Container Disposal

DO NOT REUSE CONTAINERS.
Any containers or equipment used should be decontaminated immediately after use. Consult state and local regulations regarding the proper disposal of container.

EPA Hazardous Waste - NO

RCRA Classification

SECTION 14. TRANSPORT INFORMATION

Transportation Status:

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. | 432-889 |
| TSCA list | |
| QUARTZ | 14808-60-7 |

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 |
|------------------------------------------------------------------------------------|-----------|------------|

Material Safety Data Sheet

CHIPCO® 26019 BRAND FUNGICIDE

MSDS Number: 000000000040

MSDS Version 1.3

This product contains a chemical known to QUARTZ 14808-60-7
the state of California to cause cancer.

US State right-to-know ingredients
QUARTZ 14808-60-7 IL, MA, MN, PA

Canadian Regulations
Canadian Registrat. No.
Canadian Domestic Substance List
QUARTZ 14808-60-7

Environmental
CERCLA
None
Clean Water Section 307 Priority Pollutants
None
Safe Drinking Water Act Maximum Contaminant Levels
None

International Regulations
EU Classification
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)
QUARTZ 14808-60-7

SECTION 16. OTHER INFORMATION

Reason for Revisions: Company name change.

Print Date: 12/04/2002
Supersedes MSDS, which is older than: 12/03/2002

This information is provided in good faith but without express or implied warranty. Buyer assumes all responsibility for safety and use not in accordance with label instructions. The product names are registered trademarks of Bayer AG. Bayer Environmental Science