



MATERIAL SAFETY DATA SHEET

OHP, INC.
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Supersedes:

TRANSPORTATION EMERGENCY
CHEMTREC:(800)-424-9300

EMERGENCY AND PRODUCT INFORMATION
OHP, Inc.:(800)-356-4647

OHP® CHIPCO® 26019 N/G

EPA Registration Number: 432-889-59807

I. CHEMICAL PRODUCT AND COMPANY INFORMATION

Product Name: OHP CHIPCO 26019 N/G
EPA Registration No.: 432-889-59807
TRANSPORTATION or other EMERGENCY call: 1-800-424-9300
(24 hours/day)
MEDICAL or Product Information call : 1-800-356-4647

II. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Component Name	CAS-No.	Average % by Weight
Iprodione	36734-19-7	50.00
Quartz (Silica, Crystalline)	14808-60-7	2.10

III. HAZARDS IDENTIFICATION

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

Emergency Overview Caution! Harmful if inhaled or absorbed through skin. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Avoid breathing dust. Avoid contact with skin, eyes and clothing.

Physical State: solid powder

Odor: none

Immediate Effects

Eye: Causes redness, irritation, tearing.

Skin: Causes irritation, redness, swelling. Harmful if absorbed through skin.

Inhalation: May cause respiratory tract irritation. Harmful if inhaled.

IV. FIRST AID MEASURES

General: Have the product container or label with you when calling a poison control center or doctor or going for treatment.

Eye: 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 poison control center or doctor for treatment advice.

Skin: Take off all contaminated clothing immediately. Rinse immediately with plenty of water for at least 15 minutes. Call a poison control center or doctor for treatment advice.

Ingestion: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. 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.

Inhalation: 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 poison control center or doctor for further treatment advice.

Notes to Physician

Treatment: There is no specific antidote. Appropriate supportive and symptomatic treatment as indicated by the patient's condition is recommended.

V. FIRE FIGHTING MEASURES

Flash Point: not applicable

Fire and Explosion Hazards: Under fire conditions, toxic, corrosive fumes are emitted.

Suitable Extinguishing Media: Product itself is non-combustible; fire extinguishing measures to suit surroundings.

Fire Fighting Instructions: Firefighters should wear NIOSH approved self-contained breathing apparatus and full protective clothing.

VI. ACCIDENTAL RELEASE MEASURES

Methods for Cleaning Up: Avoid dust formation. Sweep up or vacuum up spillage and collect in suitable container for disposal. Clean contaminated floors and objects thoroughly, observing environmental regulations. Decontaminate tools and equipment following cleanup. Dispose of wastes in an approved waste disposal facility.

Additional Advice: Do not empty into drains. 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. Do not allow to enter soil, waterways or waste water canal.

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VII. HANDLING AND STORAGE

Handling Procedures: This powder should not be flowed through non-conductive ducts or pipes. In addition, all conductive elements of the system that contact this material should be electrically bonded and grounded. It is recommended that all dust control equipment and material transport systems involved in handling of this product contain explosion relief vents or explosion suppression system or an oxygen deficient environment.

Do not ingest. Do not breathe dust or spray mist. Avoid contact with skin and eyes.

Storing Procedures: Store in an area that is away from food, feedstuffs, fertilizers and seed, away from the home or home garden.

Work/Hygienic Procedures: Keep away from food, drink and animal feedingstuffs. Wash hands and face carefully before eating, drinking, using tobacco, applying cosmetics, or using the toilet.

Min/Max Storage Temperatures: Not Available

VIII. EXPOSURE CONTROLS / PERSONAL PROTECTION

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 XIII: Disposal Considerations.

Engineering Controls: Maintain exposure levels below the exposure limit through the use of general and local exhaust ventilation.

Eye/Face Protection: Safety glasses with side-shields

Hand Protection: Chemical-resistant gloves made of waterproof material such as neoprene, butyl rubber, barrier laminate or nitrile rubber

Body Protection: Wear long-sleeved shirt and long pants and shoes plus socks.

Respiratory Protection: When respiratory protection is necessary under the conditions of use, wear a respirator approved by the National Institute for Occupational Safety and Health (NIOSH).

Exposure Limits

Quartz (Silica, Crystalline)	14808-60-7	ACGIH	TWA	0.05 mg/m3
			Form of Exposure	Respirable fraction.
		ACGIH	NIC	TWA
			Form of Exposure	Respirable fraction.
		NIOSH	REL	0.05 mg/m3
			Form of Exposure	Respirable dust.
		OSHA	Z1A	TWA
			Form of Exposure	Respirable dust.
		Z3	TWA	2.4 millions of particles per cubic foot of air

Form of Exposure	Respirable.
Remarks	The value is calculated from a specified equation using a value of 100%. Lower values of % will give higher exposure limits. See regulation for specific equation.
Z3	TWA
	0.1 mg/m3

Form of Exposure	Respirable.
Remarks	The value is calculated from a specified equation using a value of 100%. Lower values of % will give higher exposure limits. See regulation for specific equation.
Z3	TWA
	0.3 mg/m3

Form of Exposure	Total dust.
Remarks	The value is calculated from a specified equation using a value of 100%. Lower values of % will give higher exposure limits. See regulation for specific equation.
Z3	TWA
	0.3 mg/m3

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.	
OSHA Z1	PEL	5 mg/m3
Form of Exposure	Respirable fraction.	
OSHA Z1	PEL	15 mg/m3
Form of Exposure	Total dust.	

IX. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: solid powder
Odor: none
Bulk Density: 11 - 18 lbs/cu.ft.
Water Solubility: slightly soluble

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X. STABILITY AND REACTIVITY

- Chemical Stability**: Stable under normal conditions.
- Conditions to Avoid**: None known.
- Incompatibility**: strong bases
strong acids
strong oxidizing agents
- Hazardous Decomposition Products**: Thermal decomposition, hydrogen chloride (HCl), nitrogen oxides (NOx)
- Hazardous Reactions**: Will not occur.

XI. TOXICOLOGICAL INFORMATION

The data below is from testing with the active ingredient and not on the materials as formulated.

- Acute Oral Toxicity**rat: LD50: > 5,000 mg/kg
- Acute Dermal Toxicity**rabbit: LD50: > 2,000 mg/kg
- Acute Inhalation Toxicity**rat: LC50: > 2.96 mg/l
Exposure time: 4 h
Determined in the form of dust.
- Skin Irritation**rabbit: Moderate skin irritation.
- Eye Irritation**rabbit: Moderate eye irritation.

Assessment Carcinogenicity

ACGIH

Quartz (Silica, Crystalline) 14808-60-7 Group A2

NTP

Quartz (Silica, Crystalline) 14808-60-7

IARC

Quartz (Silica, Crystalline) 14808-60-7 Overall evaluation: 1

OSHA

None.

XII. ECOLOGICAL INFORMATION

Toxicity to Fish

- Bluegill sunfish flow-through test
- LC50: 3.7 mg/l
- Exposure time: 96 h
- Oncorhynchus mykiss (rainbow trout) flow-through test
- LC50: 4.1 mg/l
- Exposure time: 96 h

Acute Toxicity to Aquatic Invertebrates

- Daphnia flow-through test
- EC50: 0.25 mg/l
- Exposure time: 48 h

Toxicity to Other Organisms

- Mallard duck
- LC50: 5,620 mg/kg
- Exposure time: 8 d
- Bobwhite quail
- LC50: 5,620 mg/kg
- Exposure time: 8 d

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

XIII. DISPOSAL CONSIDERATIONS

General Disposal Guidance

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

Dispose of product containers, waste containers and residues according to local, state and federal health and environmental regulations. Completely empty container into application equipment, then dispose of empty container in a sanitary landfill, by incineration or by other procedures approved by state/provincial and local authorities.

Container Disposal

Do not re-use empty containers. Any container or equipment used should be decontaminated immediately after use. After product use, the empty container box can be disposed of in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

XIV. TRANSPORT INFORMATION

DOT CLASSIFICATION:

Not regulated for Domestic Surface Transportation

FREIGHT CLASSIFICATION:

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

XV. REGULATORY INFORMATION

EPA Registration No. 432-889-59807

US Federal Regulations

TSCA list

Quartz (Silica, Crystalline) 14808-60-7

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 Prop 65

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

Iprodione 36734-19-7

Quartz (Silica, Crystalline) 14808-60-7

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

US State Right-To-Know Ingredients

Quartz (Silica, Crystalline) 14808-60-7 IL, MA, MN, RI

Canadian Regulations

Canadian Domestic Substance List

Quartz (Silica, Crystalline) 14808-60-7

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Environmental

CERCLA

None. **Clean Water Section 307 Priority Pollutants**

None.

Safe Drinking Water Act Maximum Contaminant Levels

None.

XVI. OTHER INFORMATION

NFPA 704 (National Fire Protection Association):

Health - 2 Flammability - 1 Reactivity - 0 Others - none

0 = minimal hazard, 1 = slight hazard, 2 = moderate hazard,

3 = severe hazard, 4 = extreme hazard

Reason to Revise: New MSDS

Approval Date: 12/13/2005

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