

OHP CHIPCO® 26019

EPA Registration Number: 59807-16

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING
Product identifier

Trade name : OHP CHIPCO® 26019

EPA Registration No. : 59807-16

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

Use : Fungicide

Restrictions on use : See product label for restrictions.

Company information : OHP, Inc.
 PO Box 746
 Bluffton, SC 29910-0746
 (800) 659-6745

TRANSPORTATION EMERGENCY

(24 hours a day) call : Chemtrec: 1-800-424-9300

MEDICAL EMERGENCY (24 hours a day) and Product Information call : 1-800-356-4647

SDS Information or Request : ohp.com

2. HAZARDS IDENTIFICATION
Classification in accordance with regulation
HCS 29CFR §1910.1200

Carcinogenicity : Category 2


Signal word : Warning

Hazard statements

Suspected of causing cancer..

Precautionary statements

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

Wear protective gloves/ protective clothing/ eye protection/ face protection.

IF exposed or concerned: Get medical advice/ attention.

Store locked up.

Dispose of contents/container in accordance with local regulation.

Other hazards : No other hazards known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Component Name	CAS-No.	Concentration % by weight
Iprodione	36734-19-7	50.0
Lignin, reaction product with sodium sulfite and formaldehyde	105859-97-0	4.5
Sodium lauryl sulfate	151-21-3	2.0
Crystalline quartz (respirable)	14808-60-7	2.39

4. FIRST AID MEASURES
Description of first aid measures
General advice : When possible, have the product container or label with you when calling a poison control center or doctor or going for treatment.

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 physician or poison control center immediately.

Skin contact : 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.

Eye contact : 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.

Ingestion : 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
Symptoms : To date no symptoms are known.

Indication of any immediate medical attention and special treatment needed
Treatment : Appropriate supportive and symptomatic treatment as indicated by the patient's condition is recommended. There is no specific antidote.

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5. FIREFIGHTING MEASURES

Extinguishing media

Suitable: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

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. Use appropriate extinguishing media for material that is supplying fuel. 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: not applicable

Autoignition temperature: no data available

Lower explosion limit: not applicable

Upper explosion limit: not applicable

Explosivity: no data available

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: 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.

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.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling: Maintain exposure levels below the exposure limit through the use of general and local exhaust ventilation. Handle and open container in a manner as to prevent spillage.

Advice on protection against fire and explosion: Take measures to prevent the build up of electrostatic charge.

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.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters

Components	CAS-No.	Control parameters	Update	Basis
Iprodione	36734-19-7	5ug/m3 (AN ESL)	07 2011	TX ESL
Iprodione	36734-19-7	50ug/m3 (ST ESL)	07 2011	TX ESL
Iprodione	36734-19-7	1.7 mg/m3 (TWA)		OES BCS*
Crystalline quartz (respirable) (Respirable fraction.)	14808-60-7	0.025 mg/m3 (TWA)	02 2012	ACGIH
Crystalline quartz (respirable) (Respirable dust.)	14808-60-7	0.05 mg/m3 (REL)	2010	NIOSH

Control parameters continued next page

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Control parameters *continued*

Components	CAS-No.	Control parameters	Update	Basis
Crystalline quartz (respirable) (Respirable dust.)	14808-60-7	0.1 mg/m3 (TWA)	1989	OSHA Z1A
Crystalline quartz (respirable) (Respirable dust.)	14808-60-7	0.1 mg/m3 (TWA)	06 2008	TN OEL
Crystalline quartz (respirable) (Particulate.)	14808-60-7	0.27ug/m3 (AN ESL)	02 2013	TX ESL
Crystalline quartz (respirable) (Particulate.)	14808-60-7	14ug/m3 (ST ESL)	02 2013	TX ESL
Crystalline quartz (respirable) (Respirable dust.)	14808-60-7	0.1 mg/m3 (TWA PEL)	08 2010	US CA OEL
Crystalline quartz (respirable) (Total dust.)	14808-60-7	0.3 mg/m3 (TWA PEL)	08 2010	US CA OEL
Crystalline quartz (respirable) (Total dust.)	14808-60-7	0.3 mg/m3 (TWA)	2000	Z3
Crystalline quartz (respirable) (Respirable.)	14808-60-7	2.4millions of particles per cubic foot of air (TWA)	2000	Z3
Crystalline quartz (respirable) (Respirable.)	14808-60-7	0.1 mg/m3 (TWA)	2000	Z3

*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 : Safety glasses with side-shields

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.

9. PHYSICAL AND CHEMICAL PROPERTIES
Appearance : light tan to brown

Physical State : powder

Odor : none

Odour Threshold : no data available

pH : no data available

Vapor Pressure : not applicable

Vapor Density (Air = 1) : not applicable

Bulk density : 14 - 23 lb/ft³
(bulk density tapped)

Evaporation rate : no data available

Boiling Point : not applicable

Melting / Freezing Point . . . : not applicable

Water solubility : slightly soluble

Minimum Ignition Energy . . . : no data available

Decomposition
temperature : no data available

Partition coefficient:
n-octanol/water : no data available

Viscosity : not applicable

Flash point : not applicable

Autoignition temperature . . . : no data available

Lower explosion limit : not applicable

Upper explosion limit : not applicable

Explosivity : no data available

10. STABILITY AND REACTIVITY
Reactivity
Thermal decomposition . . . : no data available

Chemical stability : Stable under normal conditions.

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Possibility of hazardous

reactions : No dangerous reaction known under conditions of normal use.

Conditions to avoid : no data available

Incompatible materials . . . : Strong bases, Strong acids, Strong oxidizing agents

Hazardous decomposition

products : No decomposition products expected under normal conditions of use.

11. TOXICOLOGICAL INFORMATION

Exposure routes : Eye contact, Skin contact, Skin Absorption, Inhalation

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.

Information on toxicological effects

Acute oral toxicity : LD50 (rat) > 2,000 mg/kg

Acute inhalation toxicity . . : LC50 (rat) > 5.0 mg/l
Exposure time: 4 h
Determined in the form of dust.

LC50 (rat) > 20 mg/l
Exposure time: 1 h
Determined in the form of dust.
Extrapolated from the 4 hr LC50.

Acute dermal toxicity : LD50 (rat) > 2,000 mg/kg

Skin irritation : Slight irritation (rabbit)

Eye irritation : Mild eye irritation. (rabbit)

Sensitisation : 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

Crystalline quartz (respirable) 14808-60-7 Group A2

NTP

Crystalline quartz (respirable) 14808-60-7 2000

IARC

Crystalline quartz (respirable) 14808-60-7 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.

Further information

Only acute toxicity studies have been performed on the formulated product.
The non-acute information pertains to the active ingredient(s).

12. ECOLOGICAL INFORMATION

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout))
4.1 mg/l
Exposure time: 96 h

The value mentioned relates to the active ingredient iprodione.

Toxicity to aquatic invertebrates

. : EC50 (Daphnia magna (Water flea)) 0.25 mg/l
Exposure time: 48 h

The value mentioned relates to the active ingredient iprodione.

Toxicity to aquatic plants . . : IC50 (Scenedesmus subspicatus) 15.3 mg/l
Exposure time: 72 h

The value mentioned relates to the active ingredient iprodione.

Biodegradability : Iprodione; not rapidly biodegradable

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Koc Iprodione: Koc: 202 - 543

Bioaccumulation Iprodione: Bioconcentration factor (BCF) 70; Does not bioaccumulate.

Mobility in soil Iprodione: Moderately mobile in soils

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. Apply this product as specified on the label.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Product 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.

Contaminated packaging 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. If burned, stay out of smoke. Follow advice on product label and/or leaflet.

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.

14. TRANSPORT INFORMATION

49CFR Not dangerous goods / not hazardous material

IMDG

UN number 3077

Class 9

Packaging group III

Marine pollutant YES

Proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (IPRODIONE MIXTURE)

IATA

UN number 3077

Class 9

Packaging group III

Environm.

Hazardous Mark YES

Proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (IPRODIONE MIXTURE)

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

15. REGULATORY INFORMATION

EPA Registration No. 59807-16

US Federal Regulations

TSCA list

Lignin, reaction product with sodium sulfite and formaldehyde 105859-97-0

Sodium lauryl sulfate 151-21-3

Crystalline quartz (respirable) 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 Prop65

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

Iprodione 36734-19-7

Crystalline quartz (respirable) 14808-60-7

US State Right-To-Know Ingredients

Crystalline quartz (respirable) 14808-60-7 MN

Canadian Regulations

Canadian Domestic Substance List

Crystalline quartz (respirable) 14808-60-7

OHP CHIPCO® 26019**EPA Registration Number: 59807-16****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)**

Crystalline quartz (respirable) 14808-60-7

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 inhaled or absorbed through skin.

Avoid contact with skin, eyes and clothing.

Avoid breathing dust.

Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

16. OTHER INFORMATION**NFPA 704 (National Fire Protection Association):**

Health - 1 Flammability - 1 Instability - 0 Others - none

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

Health - 1 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**: 03/29/2017

This information is provided in good faith but without express or implied warranty. The customer assumes all responsibility for safety and use not in accordance with label instructions.

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