

# Safety Data Sheet (SDS) IPRODIONE 255

According to UN GHS 8th Ed  
Revision Date: 30/07/2022

First print date: 01/06/2019  
Version: 1.1

## SECTION 1. IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY/UNDERTAKING

### Product identifier:

**Identification as on the label/Trade name:** IPRODIONE 255

**Common name:** Iprodione (dicarboximide) 255g/L SC

### Relevant identification uses of the substance and uses advised against:

**Identified uses:** Fungicide

**Uses advised against:** Use only as directed.

### Details of the supplier of the Safety Data Sheet:

Enviro Bio-Chem (Pty) Ltd, 44 Kerk Street,  
Lichtenburg, North West, South Africa, 2740

### Details of the Registration Holder:

Erintrade cc t/a RT Chemicals 44 Kerk Street,  
Lichtenburg, North West, South Africa, 2740

### Contact Details:

Telephone: +27 87 231 7261

Fax: 086 541 7948

Website: www.envirobiochem.co.za

### Emergency telephone numbers:

**24 Hour Emergency Number: Bateleur: +27 83 123 3911**

Griffon Poison Information Centre: +27 82 446 8946

Poisons Information Helpline: 0861 555 777

Tygerberg Hospital: +27 21 931 6129

## SECTION 2. HAZARD IDENTIFICATION

### Classification of the substances or mixture

The mixture is classified according to Regulation (EC) No 1272/2008 EU-GHS/CLP

Hazard classes/Hazard categories	Hazard statement
Carcinogenicity (Category 2)	H351
Reproductive Toxicity (Category 2)	H361f
Aquatic Toxicity Acute (Category 1)	H400
Aquatic Toxicity Chronic (Category 1)	H410

### Label elements



### Hazard pictograms:

**Signal Word:** Warning

### Hazard Statements:

H351	Suspected of causing cancer
H361f	Suspected of damaging fertility
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with ling lasting effects

## Safety Data Sheet (SDS) IPRODIONE 255

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**Precautionary Statements:**

P102	Keep out of reach of children
P103	Read label before use
P202	Do not handle until all safety precautions have been read and understood.
P273	Avoid release to the environment.
P280	Wear impervious rubber gloves and boots, protective clothing and chemical safety goggles.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P405	Store locked up.
P391	Collect spillage
P501	Dispose of content/container to suitable landfill in accordance with local regulations.

**Other hazards:**
**SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS**
**Substance/Mixture: Mixture**
**Ingredients:**

Substance name (IUPAC)	CAS Number.	Concentration % by weight	Classification EC1272/2008
Iprodione (AI)	36734-19-7	24.8%	Carcinogenicity (Category 2) H351 Reproductive Toxicity (Category 2) H361fd Aquatic Acute (Category 1) H400 Aquatic Chronic (Category 1) H410
Ethanediol	15054-86-1	<3%	Acute Toxicity Oral (Category 4 ) H302
Nonylphenol	25154-52-3	<1%	Skin corrosion (Category 1B ) H314 Reproductive Toxicity (Category 2) H361fd

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section. Occupational exposure limits, if available, are listed in Section 8.

**SECTION 4. FIRST AID MEASURES**
**Description of first aid measures:**

**General:** If exposed or concerned, get medical advice.

**In case of inhalation:** If inhaled, remove to fresh air. Treat symptomatically and supportively. Seek medical attention.

**In case of skin contact:** Remove contaminated clothing and wash skin with plenty of soap and water. Get medical advice if person feels unwell. Wash clothing before reuse.

**In case of eye contact:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice.

**In case of ingestion:** If swallowed, rinse mouth with water. Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Seek medical attention immediately. Loosen tight clothing such as a collar, tie, belt, or waistband.

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

**Anticipated acute effects:** None known

**Anticipated delayed effects:** None known

**Most important symptoms/effects:** When large amounts are swallowed, may cause symptoms such as: nausea, vomiting, abdominal pain and loss of co-ordination.

**Indication of any immediate medical attention and special treatment needed:** Treat symptomatically and supportively. There is no specific antidote.

## Safety Data Sheet (SDS) IPRODIONE 255

According to UN GHS 8th Ed  
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**SECTION 5. FIRE FIGHTING MEASURES****Extinguisher media:**

**Suitable** extinguisher media: Foam. Dry powder. Carbon dioxide. Water spray.

**Small Fire:** Extinguish small fires with carbon dioxide, dry powder, or alcohol-resistant foam.

**Large Fire:** Foam or water spray can be used for larger fires or cooling of unaffected stock but avoid the accumulation of polluted run-off from the site.

**Unsuitable** extinguishing media: Do not use high volume water jet, due to contamination risk.

**Special hazards arising from the mixture:**

Hazardous decomposition products in case of fire: Refer to Section 10: Stability and Reactivity.

**Advice for fire-fighters:**

Fire may produce irritating or poisonous vapours, mists, or other products of combustion. Remove spectators from surrounding area. Evacuate downwind. Remove container from fire area if possible. Use a recommended extinguishing agent for the type of surrounding fire. Avoid inhaling hazardous vapours and fumes from burning materials.

Fire fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear.

Use an approved/certified respirator or equivalent.

Contain fire control agents for later disposal according to Section 13.

Water can be used to cool unaffected containers.

**SECTION 6. ACCIDENTAL RELEASE****Personal precautions, protective equipment, and emergency procedures:****Personal precautions:**

**For non-emergency personnel:** Avoid contact with eyes and skin. Do not breathe in spray mist or fumes/vapours.

Ventilate area of spill or leak, especially in contained areas. Evacuate the danger area, observe emergency procedures. Use personal protective equipment.

**For emergency responders:** Fire fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear. Use an approved/certified respirator or equivalent. Avoid contact with eyes and skin. Do not breathe in fumes. Refer to section 8 for recommended personal protective equipment. Evacuate unnecessary personnel.

**Environmental precautions:**

Stop leak if without risk. Do not touch spilled material. Prevent entry into drains, watercourses, or confined areas: dike if needed. If the product contaminates public water, inform appropriate authorities immediately in accordance with local regulations. Dispose in a safe manner in accordance with local/national regulations.

**Methods for containment and cleaning up:**

**For small spills** Contain spilled material if possible. Collect in suitable, labelled containers for disposal. Absorb with materials such as: sand, earth, vermiculite, or diatomaceous earth.

**For large spills** Prevent entry into drains, watercourses, or confined areas.

Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in a suitable, labelled container for disposal according to local regulations.

**Reference to other sections:**

See section 1 for emergency contact details

See section 7 for information on safe handling.

See section 8 for information on personal protection equipment.

See section 13 for information on disposal.

# Safety Data Sheet (SDS) IPRODIONE 255

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Revision Date: 30/07/2022

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## SECTION 7. HANDLING AND STORAGE

### Precautions for safe handling:

Read the label before use. Do not handle this until all safety precautions have been read and understood. Use protective clothing. Wash thoroughly after handling. Remove contaminated clothing and wash before reusing. Use adequate ventilation. Avoid direct contact with eyes, skin, and clothing. Avoid ingestion and inhalation. Wear full-face mask and eye protection. Do not use spray equipment contaminated with this product for any other purpose unless first thoroughly cleaned with a suitable cleaning detergent.

**Protective measures:** Observe directions on label and instructions for use.

**Advice on general occupational hygiene:** Do not eat drink or smoke when handling this product.

### Conditions for safe storage, including incompatibilities:

Store locked up in the closed original packaging out of reach of children, unauthorised persons, and animals. Store in a dry, cool, well-ventilated area. Keep away from food, drink, and animal feed.

### Specific end uses:

Use as directed. Use original container.

## SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Control parameters:

**Occupational exposure limits (OEL):** No information available.

**Biological exposure indices (BEI):** No information available.

**Additional exposure limits under the conditions of use:** No information available

### Exposure control:

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday. A Risk Assessment should be conducted before handling is to commence to determine specific exposure control.

**Appropriate engineering controls:** Provide adequate ventilation, exhaust ventilation or other engineering controls. Ensure that eyewash stations and safety showers are proximal to the work-station location.

### Personal Protective Equipment

**Eye/face protection:** Wear chemical goggles or face shield when mixing or applying product.

**Hand protection:** Use chemical resistant gloves. Examples of preferred glove barrier materials include Nitrile/butadiene rubber, Polyethylene, Ethyl vinyl alcohol laminate, Polyvinyl alcohol, Polyvinyl chloride.

Observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves.

**Body protection:** Wear appropriate chemical resistant overalls and rubber boots and rubber gloves. Avoid any skin exposure.

**Respiratory protection:** For most well-ventilated conditions, no respiratory protection should be needed. If used in a poorly ventilated area (airborne concentrations exceed exposure limits), use a NIOSH approved air- purifying respirator with cartridges/canisters approved for organic vapours.

**Environmental exposure controls:** Prevent product from entry into sewers and water courses.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

Appearance	Liquid
Colour	Off white
Odour	No data available
Odour threshold	No data available

## Safety Data Sheet (SDS) IPRODIONE 255

 According to UN GHS 8th Ed  
 Revision Date: 30/07/2022

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Version: 1.1

pH	4-6
Melting point / freezing point (°C)	No data available
Boiling point (°C)	No data available
Flash point (°C)	No data available
Evaporation rate	No data available
Flammability	Non flammable
Upper /lower flammability limits	No data available
Vapour pressure	No data available
Vapour density	No data available
Density (20°C)	1. 1 to 1.2 g/mℓ
Water solubility (g/l) at 20°C	Dispersible in water
Partition coefficient : n-octanol/water	No data available
Auto-ignition temperature (°C)	No data available
Decomposition temperature (°C)	No data available
Viscosity, dynamic (mPa s)	No data available
Explosive properties	No data available
Oxidising properties	No data available
Explosive limits	No data available

**SECTION 10. STABILTY AND REACTIVITY**

**Reactivity:** No data available

**Chemical stability:** Stable under recommended storage conditions

**Possibility of hazardous reactions:** No hazardous reactions when stored and handled according to prescribed instructions.

**Conditions to avoid:** Extremes of temperature and direct sunlight.

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

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

**SECTION 11. TOXICOLOGICAL INFORMATION**

**Toxicokinetics, metabolism and distribution:** No data available

**Information on toxicological effects:**

**Assessment of acute toxicity:**

The product has not been tested. The data reported is for the main ingredients in the mixture.

<b>Iprodione CAS No. 36734-19-7</b>	
<b>Acute toxicity:</b>	
Acute Oral LD50 (rat - male)	3500 mg/kg
Acute Dermal LD50 (rat):	>5000 mg/kg
Acute Inhalation LC50 - 4 h (rat)	No data available
Skin irritation/ corrosion (rabbits)	No skin irritation
Eye damage / irritation (rabbits)	No eye irritation
Respiratory or skin sensitization (Guinea pig)	Non sensitising
Germ cell mutagenicity	No adverse effect observed
Carcinogenicity	Suspected of causing cancer
Reproductive toxicity	No data available
Specific Target Organ Toxicity STOT single exposure	No data available
Specific Target Organ Toxicity STOT repeated exposure	No data available
Aspiration hazard	No data available

# Safety Data Sheet (SDS) IPRODIONE 255

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## Additional information:

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

<b>Ethanediol CAS No. 15054-86-1</b>	
<b>Acute toxicity:</b>	
Acute Oral LD50 (rat - male)	500 mg/kg
Acute Dermal LD50 (rat):	No data available
Acute Inhalation LC50 - 4 h (rat)	No data available
Skin irritation/ corrosion (rabbits)	No data available
Eye damage / irritation (rabbits)	No data available
Respiratory or skin sensitization (Guinea pig)	No data available
Germ cell mutagenicity	No data available
Carcinogenicity	No data available
Reproductive toxicity	No data available
Specific Target Organ Toxicity STOT single exposure	No data available
Specific Target Organ Toxicity STOT repeated exposure	No data available
Aspiration hazard	No data available

## Additional information:

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

<b>Nonylphenol CAS No. 25154-52-3</b>	
<b>Acute toxicity:</b>	
Acute Oral LD50 (rat )	1620 mg/kg
Acute Dermal LD50 (rat):	No data available
Acute Inhalation LC50 - 4 h (rat)	No data available
Skin irritation/ corrosion (rabbits)	Causes severe skin burns and eye damage.
Eye damage / irritation (rabbits)	Causes serious eye damage.
Respiratory or skin sensitization (Guinea pig)	No data available
Germ cell mutagenicity	No data available
Carcinogenicity	No data available
Reproductive toxicity	Suspected of damaging fertility. Suspected of damaging the
Specific Target Organ Toxicity STOT single exposure	No data available
Specific Target Organ Toxicity STOT repeated exposure	No data available
Aspiration hazard	No data available

## Additional information:

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

## SECTION 12. ECOLOGICAL INFORMATION

<b>Iprodione CAS No. 36734-19-7</b>	
<b>Toxicity</b>	
Birds Acute oral LD <sub>50</sub>	>2000 mg/kg Bobwhite quail; >10400 mg/kg Mallard ducks
Aquatic Toxicity Fish LC <sub>50</sub> (96 hr) Aquatic Toxicity Daphnia EC <sub>50</sub> (48 hr) Algae Toxicity EC <sub>50</sub> (120h) Bee Toxicity LD <sub>50</sub>	4.1 mg/l (rainbow trout) ; 3.7 mg/l (bluegill sunfish) 0.7 mg/l 1.9 mg/l ( <i>Selenastrum Capricornutum</i> ) >0.4 µg/bee (contact)

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<b>Persistence and degradability</b>	Rapidly metabolised in soil, with formation of CO <sub>2</sub> . DT50 (lab) 20 – 80 d; (field) 919d. Koc 202 – 543. Rate of degradation increases with successive treatments: hence accumulation does not occur.
<b>Bioaccumulation potential</b>	Not determined
<b>Mobility in soil</b>	Not determined

<b>Ethanediol CAS No. 15054-86-1</b>	
<b>Toxicity</b>	
Birds Acute oral LD <sub>50</sub>	No data available
Aquatic Toxicity Fish LC <sub>50</sub> (96 hr) Aquatic Toxicity Daphnia EC <sub>50</sub> (48 hr) Algae Toxicity EC <sub>50</sub> (120h) Bee Toxicity LD <sub>50</sub>	No data available No data available No data available No data available
<b>Persistence and degradability</b>	No data available
<b>Bioaccumulation potential</b>	No data available
<b>Mobility in soil</b>	No data available

<b>Nonylphenol CAS No. 25154-52-3</b>	
<b>Toxicity</b>	
Birds Acute oral LD <sub>50</sub>	No data available
Aquatic Toxicity Fish LC <sub>50</sub> (96 hr) Aquatic Toxicity Daphnia EC <sub>50</sub> (48 hr) Algae Toxicity EC <sub>50</sub> (120h) Bee Toxicity LD <sub>50</sub>	No data available No data available No data available No data available
<b>Persistence and degradability</b>	No data available
<b>Bioaccumulation potential</b>	No data available
<b>Mobility in soil</b>	No data available

**SECTION 13. DISPOSAL CONSIDERATIONS**
**Waste treatment methods:**
**Product:**

Keep out of drains, sewers, ditches, and waterways. Refer to container label for disposal information. Treat as hazardous waste and dispose of in accordance with local/ regional/ national/ international regulations.

**Container:**

Refer to container label for disposal information. Triple or pressure rinse empty containers. Pour rinse water into spray tank. Dispose of as hazardous waste. Do not contaminate water when disposing of rinse water. Dispose of using an approved waste disposal service provider. Follow all local/ regional/ national/ international regulations.

**SECTION 14. TRANSPORT INFORMATION**

UN Number	3082
UN proper shipping name	Environmentally Hazardous Substance; Liquid; N.O.S. (Iprodione 255 g/l)
Transport hazard class	9
Packaging group	III

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Marine pollutant	Yes
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## SECTION 15. REGULATORY INFORMATION

### Safety, health, and environmental regulations/legislation for the mixture:

**Relevant information regarding authorization:** Occupational Health and Safety Act 1993. Regulation for Hazardous Chemical Agents, 2021. UN Recommendations on the Transport of Dangerous Goods Model Regulations Rev. 21 (2019), Globally Harmonized System of Classification and Labelling of Chemicals (GHS) Rev 8, 2019.

### Relevant information regarding restrictions:

**EU regulations:** Regulation EC 1272/2008 [EU-GHS/CLP]

### Other National regulations:

National Road Traffic Act, 1996 (ACT NO. 93 of 1996).

SANS 10228:2012- The identification and classification of dangerous goods for transport by road and rail modes.

National Environmental Management Waste Act 59 of 2008.

Act 36 of 1947 of the Republic of South Africa. This product is registered under it is a violation of South African law to use this product in any manner inconsistent with its approved labelling. Read and follow all label directions

**Chemical Safety Assessment carried out?** No

## SECTION 16. OTHER INFORMATION

### Indication of changes:

Classification according to SANS 10234:2019, Regulation EC 1272/2008 [EU-GHS/CLP]

GHS aligned – all sections

### Relevant H statements (number and full text):

H302-Harmful if swallowed

H314-Causes severe skin burns and eye damage

### Training instructions:

Use as indicated on the label, special training may be required for application.

### Further information:

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.

The information on this sheet is not a specification; it does not guarantee specific properties. The information is intended to provide general guidance as to health and safety based upon our knowledge of the handling, storage, and use of the product. It is not applicable to unusual or non-standard uses of the product, nor where instructions or recommendations are not followed.