

# Safety Data Sheet

Pyrrole Red - 230

According to Regulation (EC) No 1907 / 2006, Article 31  
(REACH)



Trade name: **230 Pyrrole Red**  
Revision Date: 09-10-2018

---

## **SECTION 1: Identification of the substance/mixture and of the company/undertaking**

### **1.1 Product identifier**

**Trade Name** 230 Pyrrole Red  
**C.I.** 56110  
**CAS Number** 84632-65-5  
**EC Number** 401-540-3  
**Name** 3,6-Bis(4-chlorophenyl)-2,5-dihydropyrrolo[3,4-c]pyrrole-1,4-dione

### **1.2 Relevant identified uses of the substance or mixture and uses advised against**

No further relevant information available

**Application of the substance / the mixture:** Dyestuff / Colouring agent

### **1.3 Detail of the supplier of the safety data sheet**

**Manufacturer/Supplier:**  
**Michael Harding Art Formulas Ltd**  
Unit K Springvale Ind Est  
Cwmran, Torfaen, NP44 5BE

Tel:+44(0)1633484700

E-mail: [accounts@michaelharding.co.uk](mailto:accounts@michaelharding.co.uk)

### **1.4 Emergency telephone number**

+44(0)1633484700 (Mon-Thur 08:00-16:30, Fri 08:00-15:30)

---

## **SECTION 2: Hazards identification**

### **2.1 Classification of the substance or mixture**

**Classification according to Regulation (EC) No 1272/2008**

This substance is not classified as dangerous according to CLP regulation.

**Classification according to Directive 67/548/EEC or Directive 1999/45/EC** Not applicable

### **2.2 Label elements**

**Labelling according to Regulation (EC) No 1272/2008** Void

**Hazard pictograms** Void

**Signal word** Void

**Hazard statement** Void

**Precautionary statements** Void

### **2.3 Other hazards**

**Results of PBT and vPvB assessment**

**PBT:** Not applicable

**vPvB:** Not applicable

---

## **SECTION 3: Composition/information on ingredients**

### **3.1 Chemical characterization: Substances**

**CAS No. Description**

84632-65-5

**Name:** 3,6-Bis(4-chlorophenyl)-2,5-dihydropyrrolo[3,4-c]pyrrole-1,4-dione

**Identification number(s)**

**EC number:** 401-540-3

---

# Safety Data Sheet

Pyrrole Red - 230

According to Regulation (EC) No 1907 / 2006, Article 31  
(REACH)



Trade name: Pyrrole Red 230

Revision Date: 09-10-2018

---

## **SECTION 4: First aid measures**

### **4.1 Description of first aid measures**

**After inhalation:** Supply fresh air; consult doctor in case of complaints.

**After skin contact:**

Immediately remove any clothing soiled by the product.

Immediately wash with water and soap and rinse thoroughly.

**After eye contact:**

Immediately rinse opened eye for several minutes ( 10-15 min.) under running water.

Seek medical treatment.

**After swallowing:**

Rinse mouth thoroughly with water.

Seek medical treatment.

### **4.2 Most important symptoms and effects, both acute and delayed**

No further relevant information available.

### **4.3 Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

---

## **SECTION 5: Firefighting measures**

### **5.1 Extinguishing media**

**Suitable extinguishing media:**

CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Use fire extinguishing methods suitable to surrounding conditions.

**Unsuitable extinguishing media:** Water with full jet

### **5.2 Special hazards arising from the substance or mixture**

As the product is supplied it is not capable of dust explosion; however enrichment with fine dust causes risk of dust explosion.

In case of fire, the following can be released:

Carbon monoxide (CO)

Carbon dioxide (CO<sub>2</sub>)

Nitrogen oxides (NO<sub>x</sub>)

Hydrogen chloride (HCl)

### **5.3 Advice for firefighters**

**Protective equipment:** Wear self-contained respiratory protective device.

**Additional information**

Collect contaminated fire fighting water separately. It must not enter the sewage system.

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

---

## **SECTION 6: Accidental release measures**

### **6.1 Personal precautions, protective equipment and emergency procedures**

Wear personal protective equipment.

Avoid contact with eyes, skin and clothing.

### **6.2 Environmental precautions:** Do not allow to enter sewers, surface or ground water.

### **6.3 Methods and material for containment and cleaning up**

Pick up mechanically.

Send for recovery or disposal in suitable receptacles.

# Safety Data Sheet

Pyrrole Red - 230

According to Regulation (EC) No 1907 / 2006, Article 31  
(REACH)



Trade name: Pyrrole Red 230  
Revision Date: 09-10-2018

---

## 6.4 Reference to other sections

See section 7 for information on safe handling.  
See section 8 for information on personal protection equipment.  
See section 13 for disposal information.

---

## **SECTION 7: Handling and storage**

### 7.1 Precautions for safe handling

Avoid formation of dust.  
Keep the packing dry and well sealed to prevent contamination and absorption of humidity.

### Information about fire and explosion protection:

Dust can combine with the air to form an explosive mixture.  
Keep ignition sources away- Do not smoke.  
Protect from heat.

### 7.2 Conditions for safe storage, including any incompatibilities

#### Storage:

#### Requirements to be met by storerooms and receptacles:

Keep the packing dry and well sealed to prevent contamination and absorption of humidity.

**Further information about storage conditions:** None

**Storage class:** 11 Combustible solids (Germany)

**7.3 Specific and use(s):** No further relevant information available.

---

## **SECTION 8: Exposure controls / personal protection**

### Additional information about design of technical facilities:

Use process enclosure and exhaust ventilation to keep dust concentrations below permissible limits.

### 8.1 Control parameters

#### Ingredients with limit values that require monitoring at the workplace:

Observe all workplace limit for dusts.

### 8.2 Exposure controls

#### Personal protective equipment:

**Respiratory protection:** Filtering mask P.

#### Protection of hands

Chemicals resistant gloves (EN 374).

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of glove material on consideration of the penetration times, rates of diffusion and the degradation.

After use of gloves apply skin-cleaning agents and skin cosmetics.

#### Material of gloves

For undissolved solids the following materials may be suitable:

Butyl rubber, BR

Nitrile rubber, NBR

chloroprene rubber, CR

Fluorocarbon rubber (Viton)

#### Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

**Eye protection:** Eye glasses with side protection type 4 (DIN EN 166).

**Body protection:** Protective work clothing

**Limitations and supervision of exposure into the environment** See 6.2

# Safety Data Sheet

Pyrrole Red - 230

According to Regulation (EC) No 1907 / 2006, Article 31  
(REACH)



Trade name: Pyrrole Red 230  
Revision Date: 09-10-2018

## **SECTION 9: Physical and chemical properties**

### **9.1 Information on basic physical and chemical properties**

#### **General information**

##### **Appearance**

**Physical state:** Powder  
**Colour:** Red  
**Odour:** Odourless  
**Odour threshold:** Not applicable.

**pH-value:** Not applicable.

#### **Change in conditions**

**Melting point/range:** Not determined.

**Boiling point/range:** Not determined.

**Flash point:** Not determined

**Flammability (solid, gaseous):** Not determined.

**Ignition temperature:** Not determined.

**Decomposition temperature:** Not determined.

**Self-igniting:** Not determined.

**Dander of explosion:** Product is not explosive. However, formation of explosive air/dust mixtures is possible.

#### **Explosion limits:**

**Lower:** Not determined.

**Upper:** Not determined.

**Oxidising properties:** Not determined.

**Vapour pressure:** Not applicable.

**Vapour density:** Not applicable.

**Evaporation rate:** Not applicable.

**Density:** Not determined.

#### **Solubility in / Miscibility with**

**Water:** Insoluble

**Organic solvents:** Insoluble in methanol and ethylacetate

**Partition coefficient n-Octanol/Water:** Not applicable.

**Viscosity, dynamic:** Not applicable.

**9.2 Other information** No further relevant information available.

## **SECTION 10: Stability and reactivity**

**10.1 Reactivity** No further relevant information available

**10.2 Chemical stability** No further relevant information available

### **10.3 Possibility of hazardous reactions**

As the product is supplied it is not capable of dust explosion; however enrichment with fine dust causes risk of dust explosion.

**10.4 Condition to avoid** No further relevant information available

**10.5 Incompatible materials** No further relevant information available

# Safety Data Sheet

Pyrrole Red - 230

According to Regulation (EC) No 1907 / 2006, Article 31  
(REACH)



Trade name: Pyrrole Red 230  
Revision Date: 09-10-2018

---

**10.6 Hazardous decomposition products** No further relevant information available

## **SECTION 11. Toxicological information**

### **11.1 Information on toxicological effects**

**Acute toxicity:**

**LD/LC50 values relevant for classification:**

There are no quantitative data on the toxicity of the product.

**Primary irritant effect:**

**On the skin:** No data available.

**On the eye:** No data available.

**Corrosivity:** No data available.

**Sensitisation:** No data available.

**CMR effects (carcinogenity, mutagenicity and toxicity for reproduction):** No data available.

**STOT-single exposure:** No data available.

**STOT-repeated exposure:** No data available.

**Aspiration hazard:** No data available.

**Additional toxicological information:**

Based on the data from similar products it is not expected to be toxic

---

## **SECTION 12: Ecological information**

### **12.1 Toxicity**

**Aquatic toxicity:** There is no quantitative data on the toxicity of the product.

**12.2 Persistence and degradability:** Not applicable, insoluble in water.

**12.3 Bioaccumulative potential:** No further relevant information available.

**12.4 Mobility in soil:** No further relevant information available.

### **12.5 Results of PBT and vPvB assessment**

**PBT:** Not applicable.

**vPvB:** Not applicable.

### **12.6 Other adverse effects**

Water hazard class 1 ( German Regulation) ( Assessment by list): slightly hazardous for water.

Do not allow product to reach ground water, water course or sewage system.

---

## **SECTION 13: Disposal considerations**

### **13.1 Waste treatment methods**

**Recommendation** Dispose of waste according to official regulations.

**Waste disposal key:**

The allocation of waste identify numbers / waste descriptions must be carried out according to the EEC, specific to the industry and the process.

**Uncleaned packaging:**

**Recommendation** Dispose of waste according to official regulations.

# Safety Data Sheet

Pyrrole Red - 230

According to Regulation (EC) No 1907 / 2006, Article 31  
(REACH)



Trade name: Pyrrole Red 230  
Revision Date: 09-10-2018

---

## **SECTION 14: Transport information**

<b>14.1 UN number</b> ADR, ADN, IMDG, IATA	Void
<b>14.2 UN proper shipping name</b> ADR, ADN, IMDG, IATA	Void
<b>14.3 Transport hazard class(es)</b> ADR, ADN, IMDG, IATA class(es)	Void
<b>14.4 Packing group</b> ADR, IMDG, IATA	Void
<b>14.5 Environmental hazards:</b> Marine pollutant:	No
<b>14.6 Special precautions for user</b>	Not applicable.
<b>14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code UN "Model Regulation":</b>	Not applicable.

---

## **SECTION 15: Regulatory information**

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**  
No further relevant information available
- 15.2 Chemical safety assessment:** A Chemical Safety Assessment has not yet been carried out
- 

## **SECTION 16: Other information**

This information is based on our present state of knowledge. However, this shall not constitute a guarantee for any specific product properties and shall not establish any legally valid contractual relationship.

This safety data sheet assumes high professional standards when handling chemicals. Whenever there is no particular recommendation in this safety data sheet, these high professional standards have to be applied. All information refers to the original product as supplied and is based on our current state of knowledge.

### **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)  
IMDG: International Maritime Code of Dangerous Goods  
IATA: International Air Transport Association  
GHS: Globally Harmonised System for Classification and Labelling of Chemicals  
EINECS: European Inventory of Existing Commercial Chemical Substances  
CAS: Chemical Abstracts Service (division of the American Chemical Society)  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
PBT: Persistent, Bioaccumulative and Toxic

---