

SAFETY DATA SHEET

IQChem Inc.

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

Trade name: **IQC Coat Orange 43**
Revision Date: 08.10.2018 **Version : 1.03 / EN**

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

1.1 Product identifier

Trade Name IQC Coat Orange 43
C.I. 71105
CAS Number 4424-06-0
EC Number 224-597-4
Name bisBenzimidazo[2,1-b:2',1'-i]benzo[Imn][3,8]phenanthroline-8,17-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:

IQChem Inc.

Benkenstrasse 254
CH-4108 Witterswil
Tel: +41 61 721 95 40
Fax: +41 61 721 95 41
E-mail: info@iqchem.com

E-Mail competent person

info@hdcc-hh.de

1.4 Emergency telephone number

0041-44-251 51 51 (short number for Switzerland: Tel. 145)

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

4424-06-0

Name: bisBenzimidazo[2,1-b:2',1'-i]benzo[Imn][3,8]phenanthroline-8,17-dione

Identification number(s)

EC number: 224-597-4

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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:

CO2, 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)

Carbone dioxide (CO2)

Nitrogen oxides (NOx)

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.

6.4 Reference to other sections

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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

SECTION 9: Physical and chemical properties

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9.1 Information on basic physical and chemical properties

General information

Appearance

Physical state: Powder
Colour: Orange
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

10.6 Hazardous decomposition products No further relevant information available

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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

Insoluble in water. Based on data from similar products it is not expected to pose a hazard to the environment.

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.

SECTION 14: Transport information

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14.1 UN number

ADR, ADN, IMDG, IATA Void

14.2 UN proper shipping name

ADR, ADN, IMDG, IATA Void

14.3 Transport hazard class(es)

ADR, ADN, IMDG, IATA class(es) Void

14.4 Packing group

ADR, IMDG, IATA Void

14.5 Environmental hazards:

Marine pollutant: No

14.6 Special precautions for user Not applicable.

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

UN "Model Regulation": 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

Department issuing MSDS

HDDC-Hamburg Distribution & Chemical Consulting UG (haftungsbeschränkt), August-Bebel-Str. 36, 23923 Schönberg, Germany

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