

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

**1.1 Product identifier**

**Trade name:** IQC Coat Quindo Red 122  
IQC Plast Quindo Red 122 FG  
IQC Ink SBF Quindo Red 122  
IQC Ink Quindo Red 122

**CAS Number:**

980-26-7

**EC number:**

213-561-3

**Name:** 5,12-Dihydro-2,9-dimethylquino[2,3-b]acridine-7,14-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 Details of the supplier of the safety data sheet**

**Manufacturer/Supplier:**

IQChem Inc.  
Benkenstrasse 254  
CH-4108 Witterswil  
Tel. +41-61-72195-40  
Fax +41-61-72195-41  
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**

The substance is not classified according to the CLP regulation.

**2.2 Label elements**

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

**Hazard pictograms** Void

**Signal word** Void

**Hazard statements** 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 characterisation: Substances**

**CAS No. Description**

980-26-7 C.I. Pigment Red 122

**Name:** 5,12-Dihydro-2,9-dimethylquino[2,3-b]acridine-7,14-dione

**Identification number(s)**

**EC number:** 213-561-3

\* **SECTION 4: First aid measures**

**4.1 Description of first aid measures**

**General information:**

If symptoms persist or in case of doubt seek medical advice.

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Immediately remove any clothing soiled by the product.

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

**After skin contact:**

Immediately wash with water and soap and rinse thoroughly.  
If skin irritation continues, consult a doctor.

**After eye contact:**

Immediately rinse opened eye for several minutes (10-15 min.) under running water.  
Remove contact lenses, if present and easy to do. Continue rinsing.  
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>)

**5.3 Advice for firefighters**

**Protective equipment:**

Wear self-contained respiratory protective device.

Wear fully protective suit.

**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.

Ensure adequate ventilation.

Use respiratory protective device against the effects of vapours/dust/aerosol.

Avoid formation of dust.

Do not inhale dust/smoke/mist.

Avoid contact with eyes, skin and clothing.

Keep away from sources of ignition - No smoking.

Protect against electrostatic charges.

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**6.2 Environmental precautions:**

Do not allow product to reach sewage system or any water course.  
Inform respective authorities in case of seepage into water course or sewage system.  
Do not allow to penetrate the ground/soil.  
In case of seepage into the ground inform responsible authorities.

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

Pick up mechanically.  
If necessary pick up with a tested and approved industrial vacuum cleaner.  
Ensure adequate ventilation.  
Avoid formation of dust.  
Clear contaminated areas thoroughly.  
Send for recovery or disposal in suitable receptacles.

**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**

Wear personal protective equipment.  
Ensure good ventilation/exhaustion at the workplace.  
Avoid formation of dust.  
Do not inhale dust/smoke/mist.  
Any unavoidable deposit of dust must be regularly removed.  
Provide suction extractors if dust is formed.  
Avoid contact with eyes, skin and clothing.

**Information about fire - and explosion protection:**

Dust can combine with air to form an explosive mixture.  
Keep ignition sources away - Do not smoke.  
Protect against electrostatic charges.

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

**Storage:**

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

Store tightly closed in a cool and dry place with adequate ventilation.

**Further information about storage conditions:** Keep container tightly sealed.

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

**7.3 Specific end 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 limits for dusts.

**Additional information:** The lists valid during the making were used as basis.

**8.2 Exposure controls**

**Personal protective equipment:**

**General protective and hygienic measures:**

The usual precautionary measures are to be adhered to when handling chemicals.  
Immediately remove all soiled and contaminated clothing.

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Keep away from foodstuffs, beverages and feed.  
When using do not eat, drink or smoke.  
Wash hands before breaks and at the end of work.  
Do not inhale dust/smoke/mist.  
Avoid contact with eyes, skin and clothing.  
Provide emergency shower and eye wash fountain in work area.

**Respiratory protection:**

Respiratory protection necessary at: dust formation, insufficient ventilation or exposure limit overshoot.

**Protection of hands:**

Chemical resistant gloves (EN 374)

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

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

Preventive skin protection by use of skin-protecting agents is recommended.

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

**Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

**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:** Tightly sealed goggles (EN 166)

**Body protection:**

Protective work clothing

Protective equipment should be selected specifically for the working place, depending on concentration and quantity.

The chemical resistance of the protective equipment should be clarified with the respective supplier.

**SECTION 9: Physical and chemical properties**

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

**General Information**

**Appearance:**

<b>Form:</b>	Powder
<b>Colour:</b>	Violet
<b>Odour:</b>	Odourless
<b>Odour threshold:</b>	Not applicable.
<b>pH-value:</b>	5,5 - 8,5

**Change in condition**

<b>Melting point/Melting range:</b>	> 450 °C
<b>Boiling point/Boiling range:</b>	Not determined.

**Flash point:** Not determined.

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

**Ignition temperature:** Not determined.

**Decomposition temperature:** Not determined.

**Self-igniting:** > 280 °C

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<b>Danger of explosion:</b>	The product is not explosive. However, formation of explosive dust/air mixtures is possible.
<b>Explosion limits:</b>	
<b>Lower:</b>	Not determined.
<b>Upper:</b>	Not determined.
<b>Oxidising properties</b>	Not determined.
<b>Vapour pressure:</b>	Not applicable.
<b>Density at 20 °C:</b>	1,45 g/cm <sup>3</sup>
<b>Relative density</b>	Not determined.
<b>Vapour density</b>	Not applicable.
<b>Evaporation rate</b>	Not applicable.
<b>Solubility in / Miscibility with water:</b>	Insoluble.
<b>Partition coefficient (n-octanol/water): log Pow:</b>	2,2 (24 °C)
<b>Viscosity:</b>	
<b>Dynamic:</b>	Not applicable.
<b>Kinematic:</b>	Not applicable.
<b>9.2 Other information</b>	No further relevant information available.

\* **SECTION 10: Stability and reactivity**

**10.1 Reactivity** No further relevant information available.

**10.2 Chemical stability** No decomposition if used and stored according to specifications.

**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 Conditions to avoid**

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

To avoid thermal decomposition do not overheat.

Thermal decomposition: > 450 °C

**10.5 Incompatible materials:**

Strong oxidising agents

Strong bases

Strong acids

**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:**

Oral LD50 > 2000 mg/kg (Rat) (OECD 423)

Dermal LD50 > 2000 mg/kg (Rat) (OECD 402)

Inhalative LC0/4h 3,055 mg/L (Rat) (OECD 403)

**Primary irritant effect:**

**Skin corrosion/irritation** Skin irritation is possible after mechanical influence (dust).

**Serious eye damage/irritation** Eye irritation is possible after mechanical influence (dust).

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**Respiratory or skin sensitisation** Not skin sensitising.

**CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)**

**Germ cell mutagenicity** No data available.

**Carcinogenicity** No data available.

**Reproductive toxicity** No data available.

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

**STOT-repeated exposure**

Application route: oral gavage

NOAEL: 1000 mg/kg (13 weeks; rat; Method: OECD 408)

**Aspiration hazard** No data available.

**Additional toxicological information**

Further hazardous properties can not be excluded.

The usual precautionary measures are to be adhered to when handling chemicals.

\* **SECTION 12: Ecological information**

**12.1 Toxicity**

**Aquatic toxicity:**

LC50/96h > 100 mg/L (Danio rerio) (OECD 203)

**12.2 Persistence and degradability** not readily biodegradable

**12.3 Bioaccumulative potential**

Due to the distribution coefficient n-octanol/water an accumulation in organisms is not expected.

**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.

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

**Waste disposal key:**

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

**Uncleaned packaging:**

**Recommendation:**

Dispose of waste according to official regulations.

Packaging that can not be cleansed are to be disposed of in the same manner as the product.

**SECTION 14: Transport information**

**14.1 UN-Number**

ADR, ADN, IMDG, IATA

Void

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

\* **SECTION 15: Regulatory information**

**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

**Directive 2012/18/EU**  
**Named dangerous substances - ANNEX I** Substance is not listed.

**National regulations:**

**Information about limitation of use:**

Employment restrictions concerning juveniles must be observed.  
Employment restrictions concerning pregnant and lactating women must be observed.

**Other regulations, limitations and prohibitive regulations**

National and local regulations concerning chemicals shall be observed.

**15.2 Chemical safety assessment:** A Chemical Safety Assessment has not 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 a 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 for Dangerous Goods  
IATA: International Air Transport Association  
GHS: Globally Harmonised System of 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  
vPvB: very Persistent and very Bioaccumulative

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**Safety data sheet**  
**according to 1907/2006/EC, Article 31**

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**Department issuing MSDS:**

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**\* Data compared to the previous version altered.**

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