

# Safety Data Sheet

## according to Regulation (EC) No 1907/2006 (REACH)

IQChem Inc.

**Trade name :** IQC Ink OI Red 531, IQC Ink OI Red 531 C,  
IQC Ink SBI Red 531, IQC Ink SBF Red 531 CSHN,  
IQC Ink WBI Red 531 CW  
**Revision Date :** 29.05.2012 **Version : 1.03 / EN**  
**Print date :** 29.05.2012 **Replaces version from:** 27.10.2010

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### **01. Identification of the substance/mixture and of the company/undertaking**

#### **1.1 Product identifier**

**IQC Ink OI Red 531**  
**IQC Ink OI Red 531 C**  
**IQC Ink SBI Red 531**  
**IQC Ink SBF Red 531 CSHN**  
**IQC Ink WBI Red 531 CW**

barium bis[2-Chloro-5-[(2-hydroxy-1-naphthyl)azo]toluene-4-sulphonate]  
CAS: 5160-02-1

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

Colouring component

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

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)

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### **02. Hazards identification**

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

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

This product is not classified as dangerous according to European Union legislation.

##### **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**

This product is not classified as dangerous according to European Union legislation.

#### **2.2 Label elements**

##### **Label elements according to Regulation (EC) No 1272/2008**

This product is not classified as dangerous according to European Union legislation.

#### **2.3 Other hazards**

none

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### **03. Composition/information on ingredients**

#### **3.1 Substances**

##### **Chemical characterization**

C.I. Pigment Red 53:1

C.I. no. : 15585

CAS no. : 5160-02-1

EC no. : 225-935-3

Chemical Class : Monoazo Pigment

Ingredient Name : barium bis[2-Chloro-5-[(2-hydroxy-1-naphthyl)azo]toluene-4-sulphonate]

Proportion : 60-100%

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Classification according to Regulation (EC) No 1272/2008 : This product is not classified as dangerous according to European Union legislation.

Classification according to Directive 67/548/EEC : This product is not classified as dangerous according to European Union legislation.

### 3.2 Mixtures

This product is a substance.

(Full text of R- and H-phrases: see section 16.)

## 04. First aid measures

### 4.1 Description of first aid measures

#### after inhalation

Provide fresh air.  
Consult physician if problems arise.

#### after skin contact

Remove contaminated, saturated clothing immediately.  
Wash immediately with: Water and soap.

#### after eye contact

In case of contact with eyes, rinse immediately thoroughly with plenty of water and consult an ophthalmologist.

#### after ingestion

Rinse mouth thoroughly with water.  
Consult physician.

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

not specified

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

Treat symptomatically

## 05. Firefighting measures

### 5.1 Extinguishing media

suitable: Water spray jet, Carbon dioxide (CO<sub>2</sub>), Foam, Extinguishing powder.  
not suitable: not specified

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

In case of fire or at high temperatures the formation of the following decomposition products is possible:  
Carbon monoxide, Carbon dioxide, Nitrogen oxides (NO<sub>x</sub>), Sulphur oxides (SO<sub>x</sub>), Hydrogen chloride

### 5.3 Advice for firefighters

Protective equipment for fire-fighting :  
Wear self-contained respiratory protective device.  
Further information :  
Prevent fire extinguishing water from contaminating surface water or the ground water system.  
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

## 06. Accidental release measures

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

Wear personal protection equipment.  
Avoid contact with skin and eyes.

### 6.2 Environmental precautions

Do not allow to enter drains/surface water/ground-water. Do not allow to enter ground/soil.

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

Take up mechanically, placing in appropriate containers for disposal.

### 6.4 Reference to other sections

Information for safe handling see section 7.  
Information on personal protective equipment see section 8.  
For disposal information see section 13.

## 07. Handling and storage

### 7.1 Precautions for safe handling

Wear personal protection equipment. Ensure adequate ventilation/exhaustion. Avoid: Generation of dust. Avoid inhalation of dust. Avoid contact with skin, eyes and clothing.

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

#### Storage

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

### Precautions against fire and explosion

Keep away from heat and sources of ignition. Take precautionary measures against static discharges.  
Dust can combine with air to form an explosive mixture.

### 7.3 Specific end use(s)

not specified

## 08. Exposure controls/personal protection

### 8.1 Control parameters

not specified

### 8.2 Exposure controls

#### Personal protection

##### Respiratory protection

Filtering mask P

##### Eye protection

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

##### Protective clothing

Working clothes protecting the whole body

##### Hand protection

Chemical resistant gloves (EN 374)

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.  
Selection of glove materials on consideration of the penetration times, rates of diffusion and the degradation.  
After use of gloves apply skin-cleaning agents and skin cosmetics.

For solids:

Butyl caoutchouc (butyl rubber)

NBR (nitrile rubber)

CR (polychloroprene, chloroprene rubber)

FKM (fluoro rubber)

Penetration time : The exact penetration time has to be found out by the manufacturer of the protective gloves and has to be observed.

##### General safety and hygiene measures

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

Change contaminated clothing. Avoid contact with eyes and skin. Avoid inhalation of dust. Wash hands and face before breaks and after work. Keep away from foodstuffs, beverages and feed.

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### Environmental precautions

See 6.2

## 09. Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### Appearance

**Physical state :** Powder  
**Colour :** Yellowish Red  
**Odour :** none  
**Odour threshold :** not applicable  
**Explosion hazard :**

Product is not explosive. However, formation of explosive air/dust mixtures is possible.

**Lower Explosion limits :** not determined  
**Upper Explosion limits :** not determined  
**Flash point :** not applicable  
**Vapour pressure :** not applicable  
**Vapour density :** not applicable  
**Evaporation rate :** not applicable  
**Density :** not determined  
**Viscosity, dynamic :** not applicable  
**pH :** not applicable  
**Boiling point/range :** not determined  
**Melting point/range :** not determined  
**Decomposition temperature :** not determined  
**Auto-ignition temperature :** not determined  
**Flammability :** not determined  
**Ignition temperature :** not determined  
**Oxidizing properties :** not determined  
**Partition coefficient n-Octanol/Water :** not applicable  
**Solubility :** Insoluble in water, methanol and ethyl acetate

### 9.2 Other information

none

## 10. Stability and reactivity

### 10.1 Reactivity

not specified

### 10.2 Chemical stability

not specified

### 10.3 Possibility of hazardous reactions

Product is not explosive. However, formation of explosive air/dust mixtures is possible.

### 10.4 Conditions to avoid

not specified

### 10.5 Incompatible materials

not specified

### 10.6 Hazardous decomposition products

In case of fire or at high temperatures the formation of the following decomposition products is possible:  
Carbon monoxide, Carbon dioxide, Nitrogen oxides (NOx), Sulphur oxides (SOx), Hydrogen chloride

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## 11. Toxicological information

### 11.1 Information on toxicological effects

#### acute toxicity

oral	LD <sub>50</sub>	> 2000 mg/kg (rat; OECD 401; IUCLID)
dermal	LD <sub>50</sub>	no data available
inhalative	LC <sub>50</sub>	no data available

#### skin corrosion/irritation

not irritating (rabbit; OECD 404)

#### serious eye damage/irritation

not irritating (rabbit; OECD 405)

#### respiratory or skin sensitisation

not specified

#### germ cell mutagenicity

not specified

#### carcinogenicity

not specified

#### reproductive toxicity

not specified

#### STOT-single exposure

not specified

#### STOT-repeated exposure

not specified

#### aspiration hazard

not specified

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## 12. Ecological information

### 12.1 Toxicity

not specified

### 12.2 Persistence and degradability

not applicable, insoluble in water

### 12.3 Bioaccumulative potential

not specified

### 12.4 Mobility in soil

not specified

### 12.5 Results of PBT and vPvB assessment

no data available

### 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.

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### 13. Disposal considerations

#### 13.1 Waste treatment methods

##### Product

Dispose of waste according to applicable local, state and federal regulations.  
The EWC number is determined mainly by the use of the product. Unused quantities can be disposed of under 16 05 09.

##### Packaging

###### Uncleaned packaging

Disposal according to instructions of local authorities.

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### 14. Transport information

#### 14.1 UN number

No dangerous good in sense of the transport regulation.

#### 14.2 UN proper shipping name

No dangerous good in sense of the transport regulation.

#### 14.3 Transport hazard class(es)

No dangerous good in sense of the transport regulation.

#### 14.4 Packing group

No dangerous good in sense of the transport regulation.

#### 14.5 Environmental hazards

No dangerous good in sense of the transport regulation.

#### 14.6 Special precautions for user

see section 6 - 8

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

No dangerous good in sense of the transport regulation.

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### 15. Regulatory information

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

##### EU regulations

Directive 96/82/EC - control of major-accident hazards involving dangerous substances  
not applicable  
Regulation (EC) No 2037/2000 - Substances that deplete the ozone layer  
not applicable  
Regulation (EC) No 850/2004 - Persistent organic pollutants  
not applicable

##### National regulations

In Germany: TA Luft:  
The components are not subject to the TA Luft.  
In Switzerland: StörfallV:  
This product is not subject to the StörfallV.

#### 15.2 Chemical safety assessment

The substance/mixture was not subject to chemical safety assessment.

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### 16. Other information

#### Further information

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 knowledge.

This safety data sheet is no guarantee of any product properties and does not establish any legal relationship.

#### R- and H-phrases used in section 2 and 3

according to Regulation (EC) No 1272/2008 :  
not applicable  
according to Directive 67/548/EEC or Directive 1999/45/EC :  
not applicable

#### Used abbreviations

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organization

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)

EINECS: European Inventory of Existing Commercial Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LD<sub>50</sub>: Lethal dose, 50 percent

LC<sub>50</sub>: Lethal concentration, 50 percent

#### Alterations/supplements

Alterations to the previous edition are marked in the left-hand margin.

#### Department issuing MSDS

HDCC - Hamburg Distribution & Chemical Consulting UG (haftungsbeschränkt), Marckmannstr. 126, D-20539 Hamburg  
Tel.: +49-40-3492 6939 Fax: +49-321-2144 7400  
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