

Safety Data Sheet

IQChem Inc.

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

Trade name : IQC Ink SBF 571 4BGL, IQC Ink SBF 571 4BL, IQC Ink SBF Red 571 BKS,
IQC Ink WBF Red 571 BKWY, IQC Ink WBF Red 571 BKWB
Revision Date : 27.10.2010 Version : 1.02 / EN
Print date : 21.09.2010

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

1.1 Product identifier

IQC Ink SBF 571 4BGL
IQC Ink SBF 571 4BL
IQC Ink SBF Red 571 BKS
IQC Ink WBF Red 571 BKWY
IQC Ink WBF Red 571 BKWB

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)

02. Hazards identification

2.1 Classification of the substance or mixture

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

2.2 Label elements

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

2.3 Other hazards

none

03. Composition/information on ingredients

3.1 Substances

Chemical characterization

C.I. Pigment Red 57:1

C.I. no. : 15850:1

CAS no. : 5281-04-9

EC no. : 226-109-5

Chemical Class : Monoazo Pigment

Ingredient Name : calcium 3-Hydroxy-4-[(4-methyl-2-sulphonatophenyl)azo]-2-naphthoate

Proportion : 60-100%

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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

not specified

05. Firefighting measures

5.1 Extinguishing media

suitable: Water spray jet, Carbon dioxide (CO₂), 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_x), Sulphur oxides (SO_x)

5.3 Advice for firefighters

Contaminated firefighting water must not be discharged into the drainage system.

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.

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

None

07. Handling and storage

7.1 Precautions for safe handling

Avoid: Generation of dust.

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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: Heating.

Keep away from: Sources of ignition

No smoking.

7.3 Specific end use(s)

not specified

08. Exposure controls/personal protection

8.1 Control parameters

not specified

8.2 Exposure controls

not specified

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.

Environmental precautions

See 6.2

09. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state : Powder

Colour : Red

Odour : none

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

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Vapour pressure :	not applicable
Vapour density :	not applicable
Density :	not determined
Viscosity, dynamic :	not applicable
pH :	not applicable
Boiling point/range :	not determined
Melting point/range :	not determined
Ignition temperature :	not determined
Flammability :	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

not specified

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)

11. Toxicological information

11.1 Information on toxicological effects

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

acute toxicity

not specified

skin corrosion/irritation

not specified

serious eye damage/irritation

not specified

respiratory or skin sensitisation

not specified

germ cell mutagenicity

not specified

carcinogenicity

not specified

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reproductive toxicity

not specified

STOT-single exposure

not specified

STOT-repeated exposure

not specified

aspiration hazard

not specified

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.

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 packagings

Disposal according to instructions of local authorities.

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.

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14.5 Environmental hazards

No dangerous good in sense of the transport regulation.

14.6 Special precautions for user

See chapter 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.

15. Regulatory information

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

GHS-Labeling

not a dangerous substance according to GHS.

Labelling according to EC Directives

The product does not need to be labelled in accordance with EC directives or respective national.

Restriction according Annex VIII (EC) No 1907/2006:

None

National regulations

In Germany:

TA Luft:

The components are not subject to the TA Luft

StörfallIV:

This product is not subject to the StörfallIV acc. to annex I

In Switzerland

StörfallIV:

This product is not subject to the StörfallIV.

15.2 Chemical safety assessment

The substance/mixture was not subject to chemical safety assessment

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.

Alterations/supplements

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

Alterations due to directives 1272/2008/EU and 453/2010/EU

Department issuing MSDS

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