

# Safety data sheet

in accordance with regulation (EC) No 1907/2006 (EC No 453/2010)



**Sirius Rubine K-2BL**

**CBBN25**

000004275284

Version 3.2 / D / EN Revision Date: 10.12.2014

replaces version: 3.1 on 26.08.2013

generated on: 03.11.2000

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## SECTION 1: Identification of the substance/preparation and company

### 1.1 Product identifier

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

Use pattern :  
Textile dye

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

DyStar Colours Distribution GmbH

Am Prime Park 10-12

D - 65479 Raunheim

Telephone no. +49 6142 4072 3172

Telefax no. +49 6142 4072 3000

MSDS@DyStar.com

### 1.4 Emergency telephone number

Emergency telephone number: +49 2365 4984140

## SECTION 2: Hazards identification

### 2.1 Classification of the Substance or Mixture

**According to regulation (EC) 1272/2008 on classification, labelling and packaging of substances and mixtures**

No labelling is required in accordance with GHS directives.

**Possible Hazards according Directive 67/548/EEC or 1999/45/EC**

Hazard warning not required.

### 2.3 Other hazards

If applicable in this section are given hazards which are not part of the overall classification but can contribute to the hazards which may be associated with the substance or mixture.

not applicable

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## SECTION 3: Composition/information on ingredients

### 3.1 Substances

Not applicable

### 3.2 Mixtures

#### Chemical characterization

azo copper complex dyestuff preparation

Not applicable

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

General information: Take off immediately all contaminated clothing.

After inhalation: Upon inhalation of aerosol/vapour/dust: Take the patient into the fresh air; if there is difficulty in breathing, medical advice is required.

After contact with skin: Cleansing with plenty of water, soap or other non-irritating cleansing agents.

After contact with eyes: Contamination of the eyes must be treated by thorough irrigation with water, with the eyelids held open. Eventually a doctor (or eye specialist) should be consulted.

After ingestion: If the product is swallowed, the patient must at once drink water repeatedly, if possible with the addition of activated carbon. If the patient feels unwell, seek medical advice.

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

Please see hazard statements in section 2.2 if given and information in this section if stated.

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

Please see precautionary statements in section 2.2 as well as first aid information in this section if stated.

## SECTION 5: Fire-fighting measures

### 5.1 Extinguishing media

Suitable extinguishing media: Water spray, foam, dry powder.

Extinguishing media that must not be used for safety reasons: CO<sub>2</sub>

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

not determined

### 5.3 Advice for firefighters

Special protective equipment for firefighting: Firemen have to wear self-contained breathing apparatus.

Further information: Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

## SECTION 6: Accidental release measures

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

Personal precautions: Avoid formation and deposition of dust.

### 6.2 Environmental precautions

Environmental precautions: Do not empty into drains or waters.

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

Methods for cleaning up/taking up: Take up spilled product with dust-binding material or suitable vacuum cleaner. Fill into labelled, sealable containers.

### 6.4 Reference to other sections

Additional information: For further disposal measures see chapter 13.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Advice on safe handling: Avoid formation and deposition of dust.  
Keep container tightly closed and dry.

Advice on protection against fire and explosion: Observe the usual precautionary measures required for chemicals with dust-explosive properties. Observe national regulations.

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

Requirements for storage rooms and vessels: Store in original container in a cool, dry place.  
In filling operations take precautionary measures against static discharges.

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Storage class: 11 Combustible solids

Storage stability:

Storage period: 60 Months

### 7.3 Specific end use(s)

not determined

## SECTION 8: Exposure controls/personal protection

### 8.1 Specific end use(s)

Ingredients with occupational exposure limits to be monitored :

Not applicable

### 8.2 Exposure controls

General protective measures: Do not breathe dust. Avoid contact with eyes and skin. Take off immediately all contaminated clothing.

Hygiene measures: Keep away from food and drink stuffs.

Do not eat, drink or smoke at work.

Wash hands before breaks and at end of work and use skin-protecting ointment.

Respiratory protection : Dust mask with particle filter.

Hand protection : Wear suitable gloves e.g. of PVC or nitrile rubber. In the event of contamination, change protective gloves immediately.

Eye protection : safety glasses with side protection shield

Body protection : Wear protective clothing.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Form : powder

Colour : dark red

Odour : odourless

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Melting point	not determined
Boiling point	not determined
Flash point :	Not applicable
Ignition temperature :	not determined
flammability :	not determined
Lower explosion limit :	not determined
Upper explosion limit :	not determined
Vapour pressure :	not determined
Density :	not determined
Solubility in water :	30 g/l (25 °C)
pH value :	approx. 7,0 - 9,0 (1 g/l) water
Octanol/water partition coefficient (log Pow) :	not determined
Viscosity (dynamic) :	not determined
Viscosity (kinematic) :	not determined
Viscosity (flow time) :	not determined

### 9.2 Other information

Combustion number :	not determined
Dust explosion class :	not determined
Bulk density :	500 - 800 kg/m <sup>3</sup>
Further information (phys.-chem.)	not necessary

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No hazardous reactions when stored and handled according to prescribed instructions.

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### 10.2 Chemical stability

Thermal decomposition from 130 °C

### 10.3 Possibility of hazardous reactions

Hazardous reactions: Dust explosion potential: not ignitable (modified Hartmann tube, VDI 2263/3673).

Hazardous decomposition products: Not applicable

### 10.4 Conditions to avoid

For avoidable conditions: not necessary

### 10.5 Incompatible materials

For avoidable materials: not necessary

### 10.6 Hazardous decomposition products

Not applicable

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

Acute oral toxicity :	LD50 > 2.000 mg/kg (rat)
Acute inhalation toxicity :	not determined
Acute dermal toxicity :	LD50 > 2.000 mg/kg (rabbit)
Irritant effect on skin :	non-irritant (rabbit)
Irritant effect on eyes :	non-irritant (rabbit eye)
Sensitization :	non-sensitizing
Repeated dose toxicity	not determined
Mutagenicity:	not determined
Teratogenicity :	not necessary
Carcinogenicity :	not necessary

Remarks : Test results of an analogous product.

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### SECTION 12: Ecological information

#### 12.1 Toxicity

Fish toxicity :

not determined

Daphnia toxicity :

not determined

Algae toxicity :

not determined

Bacteria toxicity :

EC50 > 1.000 mg/l (Sewage sludge organisms)  
Method : OECD 209

#### 12.2 Persistence and degradability

Physico-chemical eliminability :

not determined

Biodegradability :

10 %  
Method : Zahn-Wellens Test

Behaviour in environmental  
compartments:

not determined

Dissolved Organic carbon (DOC) : not determined

Chemical oxygen demand (COD) : 400 mg/g

Biochemical oxygen demand (BOD5): 50 mg/g

Remarks: Test results of an analogous product.

Product does not add to the AOX-value of the sewage. (DIN EN 1485)

This product contains approx. 4,1 % complex bonded copper.

The product does not release nitrogen which can contribute to eutrophication.

The product does not contain phosphates or organophosphorus compounds.

#### 12.3 Bioaccumulative potential

not determined

#### 12.4 Mobility in soil

not determined

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### 12.5 Results of PBT and vPvB assessment

not determined

### 12.6 Other adverse effects

not determined

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Product: If utilisation or recycling of the product is not possible, it should be disposed of according to the local regulations and laws, e. g. by incineration in a suitable plant.

European Waste Catalogue (EWC) code: 040217 Dyestuffs and pigments other than those mentioned in 040216

Uncleaned packaging: Soiled, empty containers are to be treated in the same way as the contents.

## SECTION 14: Transport information

ADR	Non dangerous goods
ADNR	Non dangerous goods
RID	Non dangerous goods
IMDG	Non dangerous goods
IATA_C	Non dangerous goods
IATA_P	Non dangerous goods

### 14.1 UN number

See above entry at the respective regulation.

### 14.2 UN proper shipping name

See above entry at the respective regulation.

### 14.3 Transport hazard class(es)

See above entry at the respective regulation.

### 14.4 Packing group

See above entry at the respective regulation.



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## 14.5 Environmental hazards

See above entry at the respective regulation.

## 14.6 Special precautions for user

Keep separated from foodstuffs.

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

No transport in bulk according to Annex II of MARPOL 73/78 and the IBC code foreseen for this substance or mixture.:

## SECTION 15: Regulatory information

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

No labelling is required in accordance with the EEC directives.

TA-Luft (Ger.) : Not applicable

Water Hazard Class (Ger.) : WGK 2 - impairment of water quality WGK = Classification in accordance with the German Water Resources Act Annex 2 VwVwS (Germany) dated Mai, 17th 1999

### 15.2 Chemical safety assessment

not determined

## SECTION 16: Other information

Text of all shortcuts referred to in sections 2 and 3:

This information is based on our present state of knowledge. It should not therefore be construed as guaranteeing specific properties of the products described or their suitability for a particular application.