

# Safety data sheet

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



## Levafix Rubine CA

## CBBN15

000010075535

Version 1.1 / D / EN Revision Date: 27.11.2014

replaces version: 1.0 on 15.08.2014

generated on: 15.08.2014

Page 1/11

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

#### 1.1 Product identifier

**Levafix Rubine CA**

**CBBN15**

#### 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**

Causes serious eye damage.

Classification of the Substance or Mixture

Serious eye damage/eye irritation: Irreversible effects on the eye, Cat. 1

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

Risk of serious damage to eyes.

# Safety data sheet

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Version 1.1 / D / EN Revision Date: 27.11.2014

replaces version: 1.0 on 15.08.2014

generated on: 15.08.2014

Page 2/11

### 2.2 Label elements

#### Pictograms:



corrosion

#### Signal word:

Danger

#### Hazard Statements:

H318 Causes serious eye damage.

#### Precautionary Statements (Prevention):

P260 Do not breathe dust.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

#### Precautionary Statements (Response):

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER or a doctor/physician.

#### Precautionary Statements (Storage):

#### Precautionary Statements (Disposal):

### 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

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

Not applicable

### 3.2 Mixtures

#### Chemical characterization

# Safety data sheet

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



## Levafix Rubine CA

## CBBN15

000010075535

Page 3/11

Version 1.1 / D / EN Revision Date: 27.11.2014

replaces version: 1.0 on 15.08.2014

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azo copper complex reactive dyestuff, dust free preparation

### **Hazardous Ingredients (GHS) according Regulation (EC) 1272/2008**

azo reactive dyestuff

Content:	50 - 75 %	Eye Dam. 1	H318
EC Number	479-550-2		
REACH registr. no.	01-2120061959-40		

### **Hazardous Ingredients according Directive 1999/45/EC**

azo reactive dyestuff

Content:	50 - 75 %	Hazard symbols: Xi
EC Number	479-550-2	R phrases: 41

## **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: Remove all contaminated clothing immediately. 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. A doctor (or eye specialist ) should be consulted immediately.

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.

# Safety data sheet

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Version 1.1 / D / EN Revision Date: 27.11.2014

replaces version: 1.0 on 15.08.2014

generated on: 15.08.2014

Page 4/11

Extinguishing media that must not be used for safety reasons: CO2

### 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.

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## 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.

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## 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.

# Safety data sheet

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Version 1.1 / D / EN Revision Date: 27.11.2014

replaces version: 1.0 on 15.08.2014

generated on: 15.08.2014

Page 5/11

Storage class: 11 Combustible solids

Storage stability:

Storage period: 24 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.

Inhalation of dust and aerosols must be absolutely prevented by either adequate ventilation or by a suitable mask. People with chronic respiratory problems should not work with reactive dyestuff powders. If symptoms such as tightness in the chest or asthma occur while handling reactive dyestuff powders, a physician should be consulted as soon as possible. If hypersensitivity is confirmed, all contact with reactive dyestuff powders must cease immediately.

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 : tightly fitting safety glasses

Body protection : Wear protective clothing.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Form : powder

# Safety data sheet

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



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Version 1.1 / D / EN Revision Date: 27.11.2014

replaces version: 1.0 on 15.08.2014

generated on: 15.08.2014

Page 6/11

Colour :	red
Odour :	odourless
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 :	> 100 g/l (20 °C)
pH value :	approx. 6,5 water

Octanol/water partition coefficient (log not determined  
Pow) :

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 - 700 kg/m <sup>3</sup>
Further information (phys.-chem.)	not necessary

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

# Safety data sheet

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## CBBN15

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Version 1.1 / D / EN Revision Date: 27.11.2014

replaces version: 1.0 on 15.08.2014

generated on: 15.08.2014

Page 7/11

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

### 10.2 Chemical stability

Thermal decomposition

No thermal decomposition when stored and handled correctly.

### 10.3 Possibility of hazardous reactions

Hazardous reactions: In the case of dusty organic products the possibility of a dust explosion should always be considered.

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 (rat)

Irritant effect on skin : non-irritant (rabbit)

Irritant effect on eyes : irritant - risk of serious damage to eyes (rabbit eye)

Sensitization : non-sensitizing

Method : Magnusson/Kligman

Sensitization :

High dust concentration may result in irritation of the mucous membranes (eyes or respiratory tract). Repeated exposure to high dust concentration of some reactive dyestuffs may very occasionally cause respiratory hypersensitivity. A sensitisation by this dyestuff has not yet been observed.

# Safety data sheet

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



## Levafix Rubine CA

## CBBN15

000010075535

Page 8/11

Version 1.1 / D / EN Revision Date: 27.11.2014

replaces version: 1.0 on 15.08.2014

generated on: 15.08.2014

Repeated dose toxicity                      200 mg/kg (28 rat) NOAEL  
Method : Sub-acute oral toxicity

Mutagenicity:                                      Ames-test, negative

Teratogenicity :                                  not necessary

Carcinogenicity :                                not necessary

Remarks : Toxicological data refers to the main component.

### SECTION 12:      Ecological information

#### 12.1 Toxicity

Fish toxicity :                                      LC0 > 100 mg/l (96 h, Brachydanio rerio)

Daphnia toxicity :                                EC0 > 100 mg/l (24 h, Daphnia magna)

Algae toxicity :                                    ErC50 10 - 100 mg/l

#### 12.2 Persistence and degradability

Physico-chemical eliminability :            not determined

Biodegradability :                                < 10 %

Biodegradability :

If regulations are followed when introducing effluent into biological waste water treatment plants, no adverse effect on the degradation activity of activated sludge is to be expected.

Behaviour in environmental compartments:            not determined

Dissolved Organic carbon (DOC) :           not determined

Chemical oxygen demand (COD) :           approx. 900 mg/g

Biochemical oxygen demand (BOD5): < 30 mg/g

Remarks: Ecological data refers to the main components.

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

This product contains approx. 4,6 % complex bonded copper.

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

The product contains 0,6 % phosphorus as phosphate.



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replaces version: 1.0 on 15.08.2014

generated on: 15.08.2014

Page 9/11

### 12.3 Bioaccumulative potential

not determined

### 12.4 Mobility in soil

not determined

### 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: 040216 Dyestuffs and pigments containing dangerous substances

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.

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replaces version: 1.0 on 15.08.2014

generated on: 15.08.2014

Page 10/11

### 14.3 Transport hazard class(es)

See above entry at the respective regulation.

### 14.4 Packing group

See above entry at the respective regulation.

### 14.5 Environmental hazards

See above entry at the respective regulation.

### 14.6 Special precautions for user

Risk of serious damage to eyes.  
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

Labelling according Directive 67/548/EEC or 1999/45/EC:

Hazard symbols: Xi Irritant

contains: azo reactive dyestuff

R41 : Risk of serious damage to eyes.

S22 : Do not breathe dust.

S26 : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S39 : Wear eye/face protection.

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

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replaces version: 1.0 on 15.08.2014

generated on: 15.08.2014

Page 11/11

### 15.2 Chemical safety assessment

not determined

## SECTION 16: Other information

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

Xi	Irritant
41	Risk of serious damage to eyes.
H318	Causes serious eye damage.
Eye Dam. 1	Serious eye damage/eye irritation: Irreversible effects on the eye, Cat. 1

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.