

# CARBOL FUCHSIN POWDER

## Safety Data Sheet

according to Regulation (EU) 2015/830

Date of issue: 07/02/2017

Doc No: SDS-909.D01/0



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

#### 1.1. Product identifier

Product form : Substance  
Trade name : CARBOL FUCHSIN POWDER FOR MICROSCOPY  
CAS No : 4197-24-4  
Type of product : Pure substance  
Synonyms : Carbol fuchsin

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

##### 1.2.1. Relevant identified uses

Industrial/Professional use spec : Industrial  
For professional use only  
Indicator  
Use of the substance/mixture : For microscopy  
Laboratory chemical

##### 1.2.2. Uses advised against

No additional information available

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

ISOLAB GmbH  
Bahnhofstrasse 10, D-97877  
Wertheim - Germany  
T +49 93 42 912 355 - F +49 93 42 912 357  
[prodsafe@isolab.de](mailto:prodsafe@isolab.de)

#### 1.4. Emergency telephone number

| Country | Organisation/Company   | Address                           | Emergency number | Comment |
|---------|--|-----------------------------------|------------------|---------|
| Germany | Giftnotruf der Charité<br>CBF, Haus VIII (Wirtschaftgebäude), UG | Hindenburgdamm 30<br>12203 Berlin | +49 30 19240     |         |

### SECTION 2: Hazards identification

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

##### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 3 (Oral) H301  
Acute Tox. 3 (Dermal) H311  
Acute Tox. 3 (Inhalation) H331  
Skin Corr. 1 H314  
STOT SE 2 H371  
STOT RE 2 H373

Full text of hazard classes and H-statements : see section 16

##### Adverse physicochemical, human health and environmental effects

May cause damage to organs through prolonged or repeated exposure. May cause damage to organs. Toxic in contact with skin. Toxic if inhaled. Toxic if swallowed.

#### 2.2. Label elements

##### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



Signal word (CLP) :

Danger

Hazard statements (CLP) :

H301+H311+H331 - Toxic if swallowed, in contact with skin or if inhaled  
H314 - Causes severe skin burns and eye damage  
H371 - May cause damage to organs  
H373 - May cause damage to organs through prolonged or repeated exposure

# CARBOL FUCHSIN POWDER

## Safety Data Sheet

according to Regulation (EU) 2015/830

Date of issue: 2/7/2017

Doc No: SDS-909.D01/0



Precautionary statements (CLP) : P260 - Do not breathe dust/fume/gas/mist/vapours/spray  
P314 - Get medical advice if you feel unwell.  
P361 - Remove immediately all contaminated clothing.  
P363 - Wash contaminated clothing before  
P264 - Wash hands, forearms and face thoroughly after handling  
P270 - Do not eat, drink or smoke when using this product  
P271 - Use only outdoors or in a well-ventilated area  
P280 - Wear protective gloves/protective clothing/eye protection/face protection  
P301+P330+P331: IF SWALLOWED : Rinse mouth. Do NOT induce vomiting  
P302+P352 - IF ON SKIN : Wash with plenty of soap and water  
P309+P311 - IF exposed or if you feel unwell : Call a POISON CENTER or doctor  
P304+P340 - IF INHALED : Remove to fresh air and keep at rest in a position comfortable for breathing  
P303+P361+P353 - IF ON SKIN (or hair) : Remove immediately all contaminated clothing. Rinse skin with water/shower.  
P305+P351+P338 - IF IN EYES : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P403+P233 - Store in well-ventilated place. Keep container tightly closed.  
P405 - Store locked up.  
P501: Dispose of this material and its container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

### 2.3. Other hazards

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

| Name                  | Product identifier                      | %   |
|-----------------------|---|-----|
| CARBOL FUCHSIN POWDER | (CAS No) 4197-24-4<br>(EC No) 224-086-6 | 100 |

Full text of H-statements: see section 16

### 3.2. Mixtures

Not applicable

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures general : Call a physician immediately.  
First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. Call a doctor.  
First-aid measures after skin contact : Wash skin with plenty of water. Remove/Take off immediately all contaminated clothing.  
First-aid measures after eye contact : Rinse eyes with water as a precaution.  
First-aid measures after ingestion : Rinse mouth. Call a physician immediately.

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

No additional information available

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

Treat symptomatically.

## SECTION 5: Fire-fighting measures

### 5.1. Extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam.

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

Hazardous decomposition products in case of fire : Toxic fumes may be released.

### 5.3. Advice for firefighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

# CARBOL FUCHSIN POWDER

## Safety Data Sheet

according to Regulation (EU) 2015/830

Date of issue: 2/7/2017

Doc No: SDS-909.D01/0



### SECTION 6: Accidental release measures

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

##### 6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area. Do not breathe dust/fume/gas/mist/vapours/spray. Avoid contact with skin, eyes and clothing.

##### 6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

#### 6.2. Environmental precautions

Avoid release to the environment.

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

Methods for cleaning up : Mechanically recover the product.

Other information : Dispose of materials or solid residues at an authorized site.

#### 6.4. Reference to other sections

For further information refer to section 13.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Precautions for safe handling : Do not breathe dust/fume/gas/mist/vapours/spray. Do not get in eyes, on skin, or on clothing. Wear personal protective equipment. Use only outdoors or in a well-ventilated area.

Hygiene measures : Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

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

Storage conditions : Store locked up. Store in a well-ventilated place. Keep container tightly closed. Keep cool.

#### 7.3. Specific end use(s)

No additional information available

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

No additional information available

#### 8.2. Exposure controls

##### Appropriate engineering controls:

Ensure good ventilation of the work station.

##### Personal protective equipment:

Gloves. Safety glasses. Protective clothing.

##### Hand protection:

Protective gloves

##### Eye protection:

Safety glasses

##### Skin and body protection:

Wear suitable protective clothing

##### Respiratory protection:

Wear respiratory protection



# CARBOL FUCHSIN POWDER

## Safety Data Sheet

according to Regulation (EU) 2015/830

Date of issue: 2/7/2017

Doc No: SDS-909.D01/0



### Environmental exposure controls:

Avoid release to the environment.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

|  |                         |
|--|-------------------------|
| Physical state                             | : Solid                 |
| Appearance                                 | : Powder.               |
| Colour                                     | : Black.                |
| Odour                                      | : Odourless.            |
| Odour threshold                            | : No data available     |
| pH   | : No data available     |
| Relative evaporation rate (butylacetate=1) | : No data available     |
| Melting point                              | : No data available     |
| Freezing point                             | : Not applicable        |
| Boiling point                              | : No data available     |
| Flash point                                | : Not applicable        |
| Auto-ignition temperature                  | : Not applicable        |
| Decomposition temperature                  | : No data available     |
| Flammability (solid, gas)                  | : Non flammable         |
| Vapour pressure                            | : 0.2 mm Hg (20 °C)     |
| Relative vapour density at 20 °C           | : No data available     |
| Relative density                           | : Not applicable        |
| Density                                    | : 1.1 g/cm <sup>3</sup> |
| Solubility                                 | : Soluble in water.     |
| Log Pow                                    | : No data available     |
| Viscosity, kinematic                       | : Not applicable        |
| Viscosity, dynamic                         | : No data available     |
| Explosive properties                       | : No data available     |
| Oxidising properties                       | : No data available     |
| Explosive limits                           | : Not applicable        |

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

### 10.5. Incompatible materials

Strong acids. Strong bases.

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

|                               |   |
|-------------------------------|---|
| Acute toxicity                | : Oral: Toxic if swallowed. Dermal: Toxic in contact with skin. Inhalation: Toxic if inhaled. |
| Skin corrosion/irritation     | : Causes severe skin burns and eye damage.  |
| Serious eye damage/irritation | : Serious eye damage, category 1, implicit  |

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## Safety Data Sheet

according to Regulation (EU) 2015/830

Date of issue: 2/7/2017

Doc No: SDS-909.D01/0



|                                   |  |
|-----------------------------------|--|
| Respiratory or skin sensitisation | : Not classified   |
| Germ cell mutagenicity            | : Not classified   |
| Carcinogenicity                   | : Not classified   |
| Reproductive toxicity             | : Not classified   |
| STOT-single exposure              | : May cause damage to organs.  |
| STOT-repeated exposure            | : May cause damage to organs through prolonged or repeated exposure. |
| Aspiration hazard                 | : Not classified   |

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

### 12.2. Persistence and degradability

No additional information available

### 12.3. Bioaccumulative potential

No additional information available

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

|  |
|--|
| <b>CARBOL FUCHSIN POWDER (4197-24-4)</b>   |
| This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII  |
| This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII |

### 12.6. Other adverse effects

No additional information available






## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

## SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

| ADR  | IMDG  | IATA  | ADN  | RID   |
|--|---|---|--|---|
| <b>14.1. UN number</b>   |   |   |  |   |
| 2928   | 2928  | 2928  | 2928   | 2928  |
| <b>14.2. UN proper shipping name</b>   |   |   |  |   |
| TOXIC SOLID,<br>CORROSIVE, ORGANIC,<br>N.O.S.                                      | TOXIC SOLID,<br>CORROSIVE, ORGANIC,<br>N.O.S.                                       | Toxic solid, corrosive,<br>organic, n.o.s.  | TOXIC SOLID,<br>CORROSIVE, ORGANIC,<br>N.O.S.  | TOXIC SOLID,<br>CORROSIVE, ORGANIC,<br>N.O.S.   |
| <b>Transport document description</b>  |   |   |  |   |
| UN 2928 TOXIC SOLID,<br>CORROSIVE, ORGANIC,<br>N.O.S., 6.1 (8), II, (D/E)          | UN 2928 TOXIC SOLID,<br>CORROSIVE, ORGANIC,<br>N.O.S., 6.1 (8), II                  | UN 2928 Toxic solid,<br>corrosive, organic, n.o.s.,<br>6.1 (8), II                  | UN 2928 TOXIC SOLID,<br>CORROSIVE, ORGANIC,<br>N.O.S., 6.1 (8), II                   | UN 2928 TOXIC SOLID,<br>CORROSIVE, ORGANIC,<br>N.O.S., 6.1 (8), II                    |
| <b>14.3. Transport hazard class(es)</b>  |   |   |  |   |
| 6.1 (8)  | 6.1 (8)   | 6.1 (8)   | 6.1 (8)  | 6.1 (8)   |
|  |  |  |  |  |
| <b>14.4. Packing group</b>   |   |   |  |   |
| II   | II  | II  | II   | II  |
| <b>14.5. Environmental hazards</b>   |   |   |  |   |
| Dangerous for the<br>environment : No  | Dangerous for the<br>environment : No<br>Marine pollutant : No                      | Dangerous for the<br>environment : No   | Dangerous for the<br>environment : No  | Dangerous for the<br>environment : No   |

# CARBOL FUCHSIN POWDER

## Safety Data Sheet

according to Regulation (EU) 2015/830

Date of issue: 2/7/2017

Doc No: SDS-909.D01/0

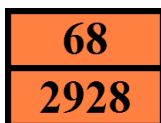


| ADR                                    | IMDG | IATA | ADN | RID |
|--|------|------|-----|-----|
| No supplementary information available |      |      |     |     |

### 14.6. Special precautions for user

#### - Overland transport

|   |               |
|---|---------------|
| Classification code (ADR)   | : TC2         |
| Special provisions (ADR)  | : 274         |
| Limited quantities (ADR)  | : 500g        |
| Excepted quantities (ADR)   | : E4          |
| Packing instructions (ADR)  | : P002, IBC06 |
| Mixed packing provisions (ADR)  | : MP10        |
| Portable tank and bulk container instructions (ADR)                     | : T3          |
| Portable tank and bulk container special provisions (ADR)               | : TP33        |
| Tank code (ADR)   | : SGAH, L4BH  |
| Tank special provisions (ADR)   | : TU15, TE19  |
| Vehicle for tank carriage   | : AT          |
| Transport category (ADR)  | : 2           |
| Special provisions for carriage - Packages (ADR)                        | : V11         |
| Special provisions for carriage - Loading, unloading and handling (ADR) | : CV13, CV28  |
| Special provisions for carriage - Operation (ADR)                       | : S9, S19     |
| Hazard identification number (Kemler No.)                               | : 68          |
| Orange plates   | :             |



|                               |       |
|-------------------------------|-------|
| Tunnel restriction code (ADR) | : D/E |
| EAC code                      | : 2X  |

#### - Transport by sea

|                                    |  |
|------------------------------------|--|
| Special provisions (IMDG)          | : 274  |
| Limited quantities (IMDG)          | : 500 g  |
| Excepted quantities (IMDG)         | : E4   |
| Packing instructions (IMDG)        | : P002   |
| IBC packing instructions (IMDG)    | : IBC06  |
| IBC special provisions (IMDG)      | : B2   |
| Tank instructions (IMDG)           | : T3   |
| Tank special provisions (IMDG)     | : TP33   |
| EmS-No. (Fire)                     | : F-A  |
| EmS-No. (Spillage)                 | : S-B  |
| Stowage category (IMDG)            | : B  |
| Stowage and handling (IMDG)        | : SW2  |
| Properties and observations (IMDG) | : Toxic if swallowed, by skin contact or by inhalation. Causes burns to skin, eyes and mucous membranes. |
| MFAG-No                            | : 154  |

#### - Air transport

|  |        |
|--|--------|
| PCA Excepted quantities (IATA)               | : E4   |
| PCA Limited quantities (IATA)                | : Y644 |
| PCA limited quantity max net quantity (IATA) | : 1kg  |
| PCA packing instructions (IATA)              | : 668  |
| PCA max net quantity (IATA)                  | : 15kg |
| CAO packing instructions (IATA)              | : 675  |

# CARBOL FUCHSIN POWDER

## Safety Data Sheet

according to Regulation (EU) 2015/830

Date of issue: 2/7/2017

Doc No: SDS-909.D01/0



CAO max net quantity (IATA) : 50kg  
Special provisions (IATA) : A5  
ERG code (IATA) : 6C

### - Inland waterway transport

Classification code (ADN) : TC2  
Special provisions (ADN) : 274, 802  
Limited quantities (ADN) : 500 g  
Excepted quantities (ADN) : E4  
Equipment required (ADN) : PP, EP  
Number of blue cones/lights (ADN) : 2

### - Rail transport

Classification code (RID) : TC2  
Special provisions (RID) : 274  
Limited quantities (RID) : 500g  
Excepted quantities (RID) : E4  
Packing instructions (RID) : P002, IBC06  
Mixed packing provisions (RID) : MP10  
Portable tank and bulk container instructions (RID) : T3  
Portable tank and bulk container special provisions (RID) : TP33  
Tank codes for RID tanks (RID) : SGAH, L4BH  
Special provisions for RID tanks (RID) : TU15  
Transport category (RID) : 2  
Special provisions for carriage – Packages (RID) : W11  
Special provisions for carriage - Loading, unloading and handling (RID) : CW13, CW28, CW31  
Colis express (express parcels) (RID) : CE9  
Hazard identification number (RID) : 68

### 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

## SECTION 15: Regulatory information

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

#### 15.1.1. EU-Regulations

No REACH Annex XVII restrictions

CARBOL FUCHSIN POWDER is not on the REACH Candidate List

CARBOL FUCHSIN POWDER is not on the REACH Annex XIV List

#### 15.1.2. National regulations

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

Listed on NZIoC (New Zealand Inventory of Chemicals)

Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)

Listed on the TCSI (Taiwan Chemical Substance Inventory)

#### Germany

12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV : Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

#### Netherlands

SZW-lijst van kankerverwekkende stoffen : The substance is not listed

SZW-lijst van mutagene stoffen : The substance is not listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding : The substance is not listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid : The substance is not listed

# CARBOL FUCHSIN POWDER

## Safety Data Sheet

according to Regulation (EU) 2015/830

Date of issue: 2/7/2017

Doc No: SDS-909.D01/0



NIET-limitatieve lijst van voor de voortplanting : The substance is not listed  
giftige stoffen – Ontwikkeling

### Denmark

Recommendations Danish Regulation : Young people below the age of 18 years are not allowed to use the product  
Pregnant/breastfeeding women working with the product must not be in direct contact with the product

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

Abbreviations and acronyms:

|       |   |
|-------|---|
| ADN   | European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways   |
| CLP   | Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008                       |
| ADR   | European Agreement concerning the International Carriage of Dangerous Goods by Road               |
| IATA  | International Air Transport Association   |
| IMDG  | International Maritime Dangerous Goods  |
| PBT   | Persistent Bioaccumulative Toxic  |
| RID   | Regulations concerning the International Carriage of Dangerous Goods by Rail                      |
| REACH | Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006 |
| SDS   | Safety Data Sheet   |
| vPvB  | Very Persistent and Very Bioaccumulative  |

Data sources : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

| Full text of H- and EUH-statements: |   |
|-------------------------------------|---|
| Acute Tox. 3 (Dermal)               | Acute toxicity (dermal), Category 3                               |
| Acute Tox. 3 (Inhalation)           | Acute toxicity (inhal.), Category 3                               |
| Acute Tox. 3 (Oral)                 | Acute toxicity (oral), Category 3                                 |
| Skin Corr. 1                        | Skin corrosion/irritation, Category 1                             |
| STOT RE 2                           | Specific target organ toxicity — Repeated exposure, Category 2    |
| STOT SE 2                           | Specific target organ toxicity — Single exposure, Category 2      |
| H301                                | Toxic if swallowed  |
| H311                                | Toxic in contact with skin  |
| H314                                | Causes severe skin burns and eye damage                           |
| H331                                | Toxic if inhaled  |
| H371                                | May cause damage to organs  |
| H373                                | May cause damage to organs through prolonged or repeated exposure |

SDS ISOLAB

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product*