

# TIANJIN DUOFUYUAN INDUSTRIAL Co., LTD

## MATERIAL SAFETY DATA SHEET

\*\*\*\* MSDS \*\*\*\*

PRODUCT NAME

FOOD ADDITIVE CARMOISINE (AZORUBINE)

DFY-2018-01

### SECTION 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

|                            |                                       |
|----------------------------|---------------------------------------|
| <b>Product Name</b>        | Food Additive Carmoisine (Azorubine)  |
| <b>Molecular Formula</b>   | $C_{20}H_{12}N_2Na_2O_7S_2$           |
| <b>Formula Weight</b>      | 502.43                                |
| <b>Application</b>         | food、 medicine、 makeup and so on      |
| <b>Supplier</b>            | Tianjin Duofuyuan Industrial Co., Ltd |
| <b>Post code</b>           | 301600                                |
| <b>Telephone</b>           | (86-22) 28949818                      |
| <b>Fax</b>                 | (86-22) 28949666                      |
| <b>Emergency Telephone</b> | (86-22) 68291716                      |

### SECTION 2 COMPOSITION, INFORMATION ON INGREDIENTS

|                 |  |
|-----------------|--|
| <b>Content</b>  | $\geq 85.0\%$  |
| <b>CAS No.</b>  | 3567-69-6  |
| <b>FD&amp;C</b> | —  |
| <b>EEC No.</b>  | E122   |
| <b>EINECS</b>   | —  |
| <b>C.I.</b>     | C . I . 14720<br>C . I . Food red 3<br>C.I.Acid Red 14 |

### SECTION 3 HAZARDS IDENTIFICATION

This substance is not classified as dangerous according to The standard of the People's Republic of China

#### SECTION 4 FIRST AID MEASURES

|                                |   |
|--------------------------------|---|
| <b>If in halation</b>          | If breathed in, move person into fresh air, If is severe, consult a physician.  |
| <b>In case of skin contact</b> | Wash off with soap and plenty of water  |
| <b>In case of eyes contact</b> | You should rinse the eyes for 15 minutes if it splashes in. If the eyes are still very afflictive, please seek medical attention. |
| <b>If swallowed</b>            | Emetic and rinse mouth with Water. Consult a physician.   |

#### SECTION 5 FIRE FIGHTING MEASURES

|                                |  |
|--------------------------------|--|
| <b>Extinguishing media</b>     | Water spray、 bubble、 Dry powder、 CO <sub>2</sub>                       |
| <b>Fire/explosion hazard</b>   | unlimited  |
| <b>The main combustion gas</b> | Carbon dioxide, nitrogen oxide and sulphur oxide                       |
| <b>Advice for firefighters</b> | Wear self-contained breathing apparatus for fire-fighting if necessary |

#### SECTION 6 ACCIDENTAL RELEASE MEASURES

|                                  |  |
|----------------------------------|--|
| <b>Personal precautions</b>      | Eye/face protection glasses 、 gloves,use personal protective equipment.Keep unnecessary and unprotected personnel from entering .Avoid dust formation . Avoid breath in gvapors , dust or gas . Ensuread equate ventilation. |
| <b>Environmental precautions</b> | To prevent the pollution of the environment  |
| <b>The leakage treatment</b>     | Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.   |

#### SECTION 7 HANDLING AND STORAGE

|                                 |  |
|---------------------------------|--|
| <b>Handling</b>                 |  |
| <b>Occupational health</b>      | Handle in accordance with good industrial hygiene and safety practice.Avoid breathing、 contact with skin and eyes. |
| <b>Storage</b>                  |  |
| <b>Fire prevention measures</b> | Close to the fire,Water spray make the container colling,To prevent dust accumulate.                               |
| <b>Storage requirements</b>     | Store in dry ventilation warehouse   |
| <b>Isolation measures</b>       | no special requirements  |
| <b>Conditions for storage</b>   | no special requirements  |

**SECTION 8 EXPOSURE CONTROLS, PERSONAL PROTECTION**

|                            |   |
|----------------------------|---|
| <b>Eye/face protection</b> | Eye/face protection glasses、Gloves                        |
| <b>Body Protection</b>     | Wear the uniform  |
| <b>Hand protection</b>     | Wear gloves   |
| <b>Other protection</b>    | Change clothes in time, Pay attention to personal hygiene |

**SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES**

|                                  |                                  |
|----------------------------------|----------------------------------|
| <b>Appearance</b>                |                                  |
| <b>Form</b>                      | powder or particle               |
| <b>Colour</b>                    | Reddish brown~dark reddish brown |
| <b>Odour</b>                     | none                             |
| <b>PH</b>                        | No data available                |
| <b>Boiling Point</b>             | No data available                |
| <b>Flash Point</b>               | No data available                |
| <b>Oxidizing properties</b>      | None                             |
| <b>Vapour pressure</b>           | No data available                |
| <b>Density</b>                   | No data available                |
| <b>Solubility in water</b>       | No data available                |
| <b>Melting point</b>             | No data available                |
| <b>Explosion Limits, lower</b>   | No data available                |
| <b>Explosion Limits, upper</b>   | No data available                |
| <b>Decomposition temperature</b> | No data available                |

**SECTION 10 STABILITY AND REACTIVITY**

|   |                        |
|---|------------------------|
| <b>Chemical stability</b>                 | This product is stable |
| <b>Possibility of hazardous reactions</b> | No data available      |
| <b>Conditions to Avoid</b>                | Avoid moisture         |
| <b>Hazardous decomposition products</b>   | No data available      |

**SECTION 11 TOXICOLOGICAL INFORMATION**

|                       |                             |
|-----------------------|-----------------------------|
| <b>Acute toxicity</b> |                             |
| <b>LD50 Oral</b>      | ADI 0~4mg/kg (FAO/WHO,2001) |
| <b>Skin</b>           | non-irritant rabbit         |
| <b>eye</b>            | non-irritant rabbit         |

**Additional Information** Toxicology data is based on similar products

**SECTION 12 ECOLOGICAL INFORMATION**

|                            |                                |
|----------------------------|--------------------------------|
| <b>Ecological Toxicity</b> | Non-toxic to Aquatic organisms |
|----------------------------|--------------------------------|

|   |  |
|---|--|
| <b>Biodegradable</b>                    | No data available  |
| <b>Effect on Sewage treatment plant</b> | Use proposed approach, no effect on waste water equipment  |
| <b>Phosphorus content</b>               | No data available  |
| <b>Organo-halogens content</b>          | No data available  |
| <b>Arsenic</b>                          | ≤ 1.0 mg / kg  |
| <b>Lead</b>                             | ≤ 10.0 mg / kg   |
| <b>Additional Information</b>           | Toxicology data is based on similar products. Norway, the United States, Japan and Sweden are not allowed to use food. HACSG is not allowed to be used in children's food. |

### SECTION 13 DISPOSAL CONSIDERATIONS

|                                |   |
|--------------------------------|---|
| <b>Waste treatment methods</b> | store and disposition should refer to National and Local's relate law |
| <b>Contaminated packaging</b>  | contact with the manufacturer recycling                               |

### SECTION 14 TRANSPORT INFORMATION

|                  |   |
|------------------|---|
| <b>UN Number</b> |   |
| <b>ADR/ RID</b>  | — |
| <b>IMDG</b>      | — |
| <b>IATA</b>      | — |

|                               |                    |
|-------------------------------|--------------------|
| <b>UN Propershipping Name</b> |                    |
| <b>ADR/ RID</b>               | No dangerous goods |
| <b>IMDG</b>                   | No dangerous goods |
| <b>IATA</b>                   | No dangerous goods |

|                                   |   |
|-----------------------------------|---|
| <b>Transport Hazaed Class(ES)</b> |   |
| <b>ADR/ RID</b>                   | — |
| <b>IMDG</b>                       | — |
| <b>IATA</b>                       | — |

|                              |   |
|------------------------------|---|
| <b>Transportation notice</b> | Avoid the vessel leakage, you must be light load & unload.Packing intact,To prevent the goods from rain humidity, loss and damage. Transportaion avoid mixed with harmful substances. Store in dry ventilation warehouse , prevent pollution. |
|------------------------------|---|

## **SECTION 15 REGULATORY INFORMATION**

This substance is not classified as dangerous according to The standard of the People's Republic of China.

This safety data sheet complies with the requirements of Regulation (EC) No.1907/2006.

## **SECTION 16 OTHER INFORMATION**

### **Further information**

#### **Use the information**

Relevant national and local regulations should be observed while using this product .  
The data given here is based on current knowledge and experience .

The given details do not imply any guarantee concerning the composition , properties or performance .

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide.

Tianjin Duofuyuan Industrial Co., Ltd produce the product only used in recommended specified purposes, or used in specified purposes agree with our company, but user must abide by company advice and related laws and regulations. Except for recommended specified purposes, Before using must consult manufacture company advice.