



Material Safety Data Sheet

According to Regulation (EC) No.1907/2006

AG414 Cambridge blue

Effective Date:05/01/2019

Edition:YZ2019MD

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

1.1 Product Identifier

Trade name: AG414 Cambridge blue

Trade code:AG414

CAS number: 12001-26-2/13463-67-7/147-14-8

1.2 Relevant identified uses of the substance/mixture and uses advised against

Identified uses: Effect Pigment

1.3 Details of the supplier of the safety data sheet

Company Name: Shanghai Yunzhu Pigment Technology Co.,Ltd.

Address: No.27 Lane 111,Shunda Road,Nanxiang Town, Jiading District.Shanghai,China P.R.

Telephone: 0086-21-56373532

1.4 Emergency Telephone number: 0086-21-66102841-8009

2. Hazards Identification

2.1 Classification of the substance or mixture

This substance is not classified as dangerous according to European Union Legislation

2.2 SHS-Labeling: Not a dangerous substance according to GHS

2.3 Other hazards: None known

3.Composition/Information on Ingredients

Ingredients	Chemical Name	EINSCS NO.	CAS.NO.	INCI Name	%(by weight)
Mica	Mica	310-127-6	12001-26-2	CI 77019	68 ~ 78
TiO ₂	Titanium dioxide	236-675-5	13463-67-7	CI 77891	22 ~ 30
Pigment blue 15:3	Pigment blue 15:3	----	147-14-8	CI 74160	0 ~2

No components that are liable to disclose according to Regulation (EC) No.1907/2006



4. First Aid Measures

4.1 Description of first aid measures

Skin: Wash with plenty of soap and water. If discomfort persists, get medical aid.

Eyes: Immediately flush with plenty of water about 15 minutes.

If discomfort persists, get medical aid.

Ingestion: If victim is induce vomiting, give 2-4 cupfuls of milk or water, get medical aid.

Inhalation: Move person to fresh air, if the breathing is difficult, get medical aid.

4.2 Most important symptoms and effects, both acute and delayed

We have no description of any toxic symptoms.

4.3 Indication of any immediate medical attention and special treatment needed

Not information available.

5. Fire-Fighting Measure

5.1 Extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

For this substance/mixture no limitations of extinguishing agents are given.

5.2 Special hazards arising from the substance or mixture

Not combustible.

Ambient fire may liberate hazardous vapors.

5.3 Advice for fire-fighters

In the event of fire, wear self-contained breathing apparatus.

Prevent fire extinguishing water from contaminating surface water or the ground water system.

6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

See protective measures under point 7 and 8.

6.2 Environmental precautions Don't let product enter drains.

6.3 Methods and material for containment and cleaning up

Cover drains. Collect, and pump off spills.

Observe possible material restrictions (see sections 7.2 and 10.5)



Take up dry, Dispose of properly. Clean up affected area. Avoid generation of dusts.

6.34 Reference to other sections

See also section 8 and 13.

7. Handling and Storage

7.1 Precautions for safe handling

Prevent formation of dust. Any unavoidable deposit of dust must be regularly removed.

7.2 Conditions for safe storage, including any incompatibilities

Store in a cool and dry, keep packages closed, location away from other material.

7.3 Specific and use

Apart from the use mentioned in section 1.2 no other specific use are stipulated.

8. Exposure Controls/Personal protection

8.1 Control parameters

8.2 Exposure controls

Eye/face protection: Safety glasses.

Skin protection:

Hand protection: Not required.

Body protection: Protective work clothing.

Other protection: Protective clothing needs to be selected specifically for the workplace, depending on concentrations and quantities of the hazardous substances handled.

Hygienemeasures: Change contaminated clothing. Wash hands after working with substance.

Respiratory protection: Required when dusts are generated.

Recommended Filter type:

Filter P 1 (acc. to DIN 3181) for solid particles of inert substances.

The entrepreneur has to ensure that maintenance, cleaning and testing of respiratory protective devices are carried out according to the instructions of the producer. These measures have to be properly documented.

Thermal Hazards: No information available.

Environmental exposure controls: Don't let product enter drains.

9. Physical and Chemical Properties



9.1 Information on basic physical and chemical properties

Appearance:	Powder.
Color:	Blue reflection with luster.
Odor:	Odorless.
Odor threshold:	No information available.
PH:	5 ~ 9 (10% aqueous slurry).
Melting point:	No information available.
Boiling point:	No information available.
Solid/gas flammability:	No information available.
Lower explosive limit:	No information available.
Upper explosive limit:	No information available.
Vapor density:	No information available.
Flash point:	Not applicable.
Evaporation rate:	No information available.
Vapor pressure:	No information available.
Relative density:	2.4 ~ 3.0g/cm ³ .
Solubility in water:	Insoluble.
Lipid solubility:	Insoluble.
Partition coefficient:	No information available.
Auto-ignition temperature:	No information available.
Decomposition temperature:	No information available.
Viscosity:	No information available.
Explosive properties:	No information available.
Oxidizing properties:	No information available.

9.2 Other information

Bulk density:	17~ 23g/100ml.
Particle size:	10 ~60μm.

10. Stability and Reactivity

10.1 Reactivity: No information available.

10.2 Chemical stability: The product is chemically stable under standard ambient conditions (room temperature).

10.3 Possibility of hazardous reactions: No information available.

10.4 Conditions to avoid: Not known to date.



10.5 Incompatible materials: No information available.

10.6 Hazardous decomposition products: No information available

11. Toxicological information

11.1 Information on toxicological effects

Aspiration hazard: Based on available data the classification criteria are not met.

Specific target organ toxicity–single exposure:

The substance or mixture is not classified as specific target organ toxicant, single exposure.

Specific target organ toxicity–repeated exposure:

The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

11.2 Other information: Quantitative data on the toxicity of this product are not available.

Further data:

The results of experiments using pigments of this type indicate no toxicologically relevant properties. Since the substance is poorly absorbed, no systemic effects are to be anticipated.

Inhalation of the dusts should be avoided as even inert dusts may impair respiratory organ function.

The individual test results were as follows:

Skin tolerance : no irritant effect.

Eye irritation test : no irritant effect;

Sensitization test: no sensitizing potential.

LD50 (oral, rat): not determinable; all animals still alive after 15000mg/kg.

Sub chronic toxicity (rat): not appreciable findings up to 50000 ppm.

12. Ecological information

12.1 Toxicity No information available.

12.2 Persistence and degradability No information available.

12.3 Bioaccumulative potential No information available.

12.4 Mobility in soil No information available.

12.5 Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.

12.6 Other adverse effects Discharge into the environment must be avoided.

13. Disposal Considerations

Waste treatment methods: Waste material must be disposed of in accordance with the Directive on waste 2008/98/EC as well as other national and local regulations. Leave chemicals in original containers.



No mixing with other waste. Handle uncleaned containers like the product itself.

14. Transport Information

14.1 Land transport(ADR/RID/GGVSE) /Sea transport(IMDG-Code/GGVSE)/Air

transport(ICAO-IATA/DGR) Not classified as dangerous in the meaning of transport regulations.

14.2 Special Precaution available: No information available

14.3 Transport in bulk according to Annex II of NARPOL 73/78 and the IBC Code

15. Regulatory Information

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

EU regulations

Major Accident Hazard Legislation: Directive 96/82/EC does not apply.

National legislation: Storage class: 10 – 13.

15.2 Chemical Safety Assessment: For this product a chemical safety assessment was not carried out.

16. Other Information

16.1 Key or legend to abbreviations and acronyms used in the safety data sheet

Used abbreviations and acronyms can be looked up at www.wikipedia.org.

16.2 Training advice

Provide adequate information, instruction and training for operators.

16.3 Further information

For more information contact product safety at:

Shanghai Yunzhu Pigment Technology Co.,Ltd. Product Safety Department 0086-21-56373532

NOTICE TO READER:

To the best of our knowledge, the information mentioned above is accurate. However, the final determination of the suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee these are the only hazards existing.

Please ensure that this information is passed to the professionals who are capable of acting on it.