

MATERIAL SAFETY DATA SHEET

FUJIAN KUNCAI MATERIAL TECHNOLOGY CO., LTD.

Revision date: 2021/01/05

version:2.0

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

1.1Product Name : Prussian Blue Series KC6225PB

Further information obtainable from : Fujian Kuncai Material Technology Co., LTD.

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Web site:www.fjkuncai.com

Use: Colorants for industrial use

Section 2. Hazards Identification

2.1 Classification of the substance or mixture:

• Hazard description: Not Applicable

• Information concerning particular hazards for human and environment:

The product is not classified as dangerous according toRegulation(EC)No.1272/2008 Classification system:

The classification is according to the latest edition of the Regulation(EC)No.1272/2008, and extended by company d literature data

and literature data.

2.2 Label elements:

Supplemental label information

EUH212: Warning! Hazardous respirable dust may be formed when used. Do not breathe dust. EUH210: Safety data sheet available on request.

2.3 Other hazards: Not available Potential health effects

Primary routes of exposure:

Routes of entry for solids and liquids include eye and skin contact, ingestion and inhalation. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

Irritation / corrosion:

Inhalation of dust may cause respiratory tract irritation, coughing and breathing difficulties. Contact with the eyes or skin may cause mechanical irritation.

Chronic toxicity:

Potential environmental effects

Aquatic toxicity:

At the present state of knowledge, no negative ecological effects are expected. The inhibition of the degradation activity of activated sludge is not anticipated when introduced to biological treatment plants in appropriate low concentrations. The product has not been tested. The statement has been derived from the properties of the individual components.

Citanium Oxide 25-27 13463-67-7 77891 Prussian blue 48-52 14038-43-8 77510 Section 4. First aid Measures: General advice: Remove contaminated clothing. 77510 Section 4. First aid measures: General advice: Remove contaminated clothing. 77510 Section 5. First aid measures: General advice: Remove contaminated clothing. 77510 Section 5. Section 6. Section 5. Section 6. Section 8. Section 6. Section 7. Section 8. Section 6. Section 8. Section 8. Section 8. Section 6. Section 7. Section 8. Section 8. Section 7. Section 8. Section 8. Section 7. Section 8. Section 8. Section 8. Section 7. Section 8.	Chemical Name	%(w/w)	CAS No.	CI No.
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Section 7.Handling and Storage	-	•		
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Keep in a cool place. Keep container dry.

7.1 Precautions for safe handling: Avoid dust formation. Closed containers should only be opened in well-ventilated areas.

Information about fire-and explosion protection: No special measures required.

- 7.2 Conditions for safe storage, including any incompatibilities:
 - Requirements to be met by storerooms and receptacles: No special requirements

Information about storage in one common storage facility: Not required.

Further information about storage conditions: None.

Incompatibilities: Not available

7.3 Specific end use(s): Not available

Section 8. Exposure Controls Personal Protection

8.1 Exposure controls:

Personal protective equipment:

Wear a NIOSH-certified (or equivalent) organic vapour/particulate respirator. Observe OSHA regulations for respirator use (29 CFR 1910.134).

Eye protection:

Safety glasses with side-shields.

Protection of hands:



Protective gloves

The glove material has to be impermeable and resistant to the product/the substance/the preparation.

Due to missing tests no recommendation to the glove material can be give for the product/the preparation/the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

Material of gloves:

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to be manufacturer. As the product is a preparation of several substances, the resistance of the

glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material:

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

General safety and hygiene measures:

Handle in accordance with good industrial hygiene and safety practice. Due to the colouring properties of the product closed work clothes should be used, to avoid stains during manipulation. Hands and/or face should be washed before breaks and at the end of the shift. Wash soiled clothing immediately.

Primary irritant effect

On the skin: No irritant effect

On the eye: No irritating effect

Sensitization: No sensitizing effects known

Additional toxicological information:

The products is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.

When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

Toxicokinetics, metabolism and distribution: Not available

Acute effects(acute toxicity, irritation and corrosivity) :

Quantitative data on the toxicity of this product is not available. Product does not contain any deleterious matter.

Repeated does toxicity: Prolonged or repeated exposure to dust may cause pulmonary problems.

CMR effects (carcinogenity, mutagencity and toxicity for reproduction):

The results of animal experiments using pearl luster pigment of this type indicate no toxicological relevant properties. Since the substance is poorly absorbed, no systemic effects are to be anticipated.

Inhalation of dusts should be avoided as even inert dusts may impair respiratory organ functions. No evidence of carcinogenic properties. No evidence of mutagenic or teratogenic effects.

Section 9. Physical and Chemical Properties

Section 7.1 hysical and	
9.1 Information on basic	physical and chemical Properties:
Form	Powder
Odor	odorless
Color A free flo	wing of dark blue powder.
Particle size:	(10-60)µm
Explosion limits	
Lower	Not available
Upper	Not available
Oxidizing properties	Not available
Viscosity	
<i>Dynamic</i>	Not available
pH-value	4.0-9.0 (10% aqueous suspension)
Boiling /Condensation	Not available
Point	
Melting /Freezing Point	Not available
Specific Gravity	Approx. 2.8~3.4 g / cm^3 (water=1)
Ignition temperature	Not available
Self-igniting	Products is not self-igniting
Danger of explosion	Product does not present an explosion hazard
Solubility	Insoluble in water
Electric conduction	Non-conduction
Impurity	<0.5%
Chemical stability	Acid resistance under the normal temperatures.
Temperature resistance	e 140 °C
Section 10.Stability an	nd Reactivity
10.1 Reactivity: No decomp	position if used according to specifications
10.2 Chemical stability: A	cid and alkali resistance under the normal temperatures
10.3 Possibility of hazard	ous reactions: Not available
10.4 Conditions to avoid:	Not available
10.5 Incompatible materi	als: Not available
Materials t be avoide	ed: Not available
Dangerous reactions	s: No dangerous reactions known
10.6 Hazardous decompo Hazardous reactions:	sition products: Not available

No hazardous reactions when stored and handled according to instructions. The product is chemically stable. Hazardous polymerization will not occur. Decomposition products: Hazardous decomposition products: No hazardous decomposition products if stored and handled as prescribed/indicated. Thermal decomposition: No data available. Corrosion to metals: No corrosive effect on metal.

Section 11. Toxicological Information

Information on toxicological effects:

Acute toxicity **Oral:** Type of value: LD50 Species: rat **Value:** > 2,000 mg/kg The product has not been tested. The statement has been derived from the properties of the individual components. Irritation / corrosion **Skin:** May cause mechanical irritation. **Eye:** May cause mechanical irritation.

Section 12. Ecological Information

12.1 Toxicity:

No ecological problems are to be expected when this product is handled and used with due care and attention.

12.2 Persistence and degradability: Not available

12.3Bioaccumulative potential: Not available

12.4 Mobility in soil: Not available

12.5 Results of PBT and vPVB assessment: Not available

12.6 Other adverse effects: Not available

Additional ecological information:

General notes:

Water hazard class 1(German Regulation)(Self-assessment):slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

Fish Acute: Fish/LC50 (96 h): not determined Chronic: No data available. Aquatic invertebrates Acute: *daphnia/LC50 (48 h):* not determined Chronic: No data available. Aquatic plants Toxicity to aquatic plants: algae/EC50 (72 h): not determined Microorganisms Toxicity to microorganisms: *bacteria/EC50 (0.5 h):* not determined Degradability / Persistence Biological / Abiological Degradation Evaluation: Not readily biodegradable (by OECD criteria).

	er and can thus be separated from water
nechanically in suitable effluent	
Dispose of in a licensed fac	
13.2 Container disposal Uncontaminated packaging	can be re-used. Packs that cannot be cleaned should be disposed of in the same
manner as the contents.	
Section 14.Transport In	formation
14.1 Land transport ADR/R	ID (cross-border)
USDOT Not classified as a dangero	us good under transport regulations
Transport category:	
14.2 Maritime transport II	MDG
14.2.1 IMDG Class:	Not classified as a dangerous good under transport regulations
Label:	-
14.2.3 Packaging group:	-
EMS Number:	-
Marine pollutant:	No
14.2.4 Proper shipping na	
14.3 Air transport ICAO-1	
14.3.1 ICAO/IATA Class:	Not classified as a dangerous good under transport regulations
14.3.2 UN/ID Number:	-
Label:	
14.3.3 Packaging group: 14.3.4 Proper shipping na	- M 2 -
	-
14.4 Environmental hazard	
14.5 Special precautions ha	
Section 15. Regulatory i	
<u> </u>	ironmental regulations/legislation specific for the substance or mixture:
Sara	······································
Section 335(extremely haz	ardous substances):
None of the ingredients is l	
Section 313 (specific toxic	chemical listings):
None of the ingredients is l	isted.
Proposition 65	
Chemical known to cause	cancer:
None of the ingredients is l	isted.
Chemical known to cause	reproductive toxicity for females:
None of the ingredients is listed	

Chemical known to cause developmental toxicity:

None of the ingredients is listed.

Cancerogenity categories

EPA(Environmental Protection Agency)

None of the ingredients is listed.

NTP(National toxicology Program)

None of the ingredients is listed.

OSHA-Ca(Occupational Safety& Health Administration)

None of the ingredients is listed.

labelling according to EU guidelines:

Observe the general safety regulations when handling chemicals.

The product has not been classified and marked in accordance with EU Directives/respective national laws.

The product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials

The product has not classified as dangerous according to Regulation (EC) No.1272/2008.

National regulations

Candidate List of Substance of very high concern(SVHC) according ECHA (18/06/2010)

None of the ingredients is listed

REACH Regulation Annex XVII Restrictions List : None of the ingredients is listed

REACH Regulation Annex XVII Authorization Recommendation List: None of the ingredients is listed

Section 16. Other Information

The contents and format of this MSDS are in according with REGULATION (EC) No.1272/2008.

DISCLAIMER OF LIABILITY:

The information in this MSDS was obtained from sources which we believe are reliable. However,, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or method of handling ,storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in anyway connected with the handling, storage, use or disposal of the product. This MSDS/SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS/SDS information may no the applicable.

Abbreviations and acronyms:

ADR: Accord enropeen sur le transport des merchandises dangerous par Route(European Agreement concerning the international Transport of Dangerous Goods by Rail).

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

IATA-DGR: Dangerous Goods Regulations by the : "International Air Association" (IATA)

ICAO: International Civil Aviation Organization

ICAO-TI: Technical Instructions by the "international Civil Aviation Organization" (ICAO)

GHS: Globally Harmonized System of Classification and Labeling of Chemicals.

ACGIH: American Conference of Governmental Industrial Hygienists.

LC50: Lethal concentration, 50 percent

LD50:Lethal dose,50 percent HMIS III rating Health: 1 Flammability: 0 Physical hazard: 0 HMIS use a numbering scale ranging from 0 to 4 to indicate the degree of hazard. A value of zero means that the substance possesses essentially no hazard; a rating of four indicates extreme danger. Although similar, the two rating systems are intended for different purposes, and use different criteria. The HMIS system was designed to communicate workplace hazard information to employees who handle hazardous chemicals.

END OF DATA SHEET