

SAFETY DATA SHEET

JADEWIN KCB

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

PRODUCT NAME: JADEWIN KCB
CAS NO.: 5089-22-5
EINECS NO.: 225-803-5
SYNONYMS: 2,2'-(naphthalene-1,4-diyl)bis (benzoxazole)

Use / description of product Colorant for plastic & paint ,ink

SUPPLIER: QINGDAO JADE NEW MATERIAL TECHNOLOGY CO.,LTD

*Address: Room 411, Building2, No318 Longshui Road,
Licang District, Qingdao, Shandong Province , China.*

Tel:+86 18561336360 Fax:4008892163 - 108245

Emergency telephone number: +86 185 6133 6360

2. HAZARDS IDENTIFICATION

Hazard destination:

Critical to man and environment:

Experience in use of the product shows that it is not a known hazard to human and environment.

Classification system:

The classification is in line with current EC list. It is expanded, however, by information from technical literature and by information furnished by supplier companies.

3. COMPOSITION AND INFORMATION ON THE INGREDIENTS:

| Ingredients | Chemical Class | % | CAS No. | C.I. No. | EINECS No. |
|---------------------------|--|-------|-----------|----------|------------|
| Fluorescent Brightener | 2,2'-(naphthalene-1,4-diyl)bis (benzoxazole) | 100.0 | 5089-22-5 | / | 225-803-5 |

4. FIRST AID MEASURES

General advice:

none

If inhaled:

remove to fresh air. Call physician.

On skin contact:

wash with simple water

On contact with eyes:

wash with mild soap solution

On ingestion:

seek medical aid immediately

Note to physician:

nothing particular; consult physician for prolonged effect.

5. FIRE FIGHTING MEASURES

Suitable extinguishing media:

water fog, foam, carbon dioxide, dry chemical.

Unsuitable extinguishing media for safety reasons:

none

The following can be given off in a fire:

not required as not flammable.

Special protective equipment: wear suitable working clothes.
Further information: none

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: not required as not hazardous; in case of spillage sweep and collect contents and wash out area with water.
ENVIRONMENTAL PRECAUTIONS: Do not discharge into drains or rivers.
METHODS FOR CLEANING UP: sweep and place in a closable container for disposal.

7. HANDLING AND STORAGE

Handling: keep containers closed.
Protection against fire and explosion: not explosive; no special precaution is necessary even then due to caring effect. To be kept away from fire.
Storage: In a cool and dry place, away from heat sources.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Additional information on the lay-out of technical plant: /

PERSONAL PROTECTIVE EQUIPMENT:

Respiratory protection: Use a respiratory if necessary with suitable filter recommended.
Hand protection: gloves
Eye protection: gloves
Body protection: gloves
General safety and hygiene measures: none

9. PHYSICAL AND CHEMICAL PROPERTIES

Form: YELLOWISH GREEN POWDER
Color: Yellowish-green
Odour Odorless
Change in physical stage: n.a.
Melting point/melting range: 210-212
Boiling point/boiling range: n.a. °C DIN
Flash point: >200°C DIN
Ignition temperature: n.a. °C DIN
Self ignition temperature: n.a. °C DIN
Self ignition: n.a.
Explosion hazard: the product is not explosive. Mixture of air and powder could form and they could deflagrate
Fire promoting properties: none
Vapour pressure: n.a. °C DIN
Density: n.a.
Bulk density: n.a. Kg/m³
Solubility in water: insoluble 20 °C
Solubility in other solvents: none

pH value: 6.0-8.0
Octanol/water partition coefficient(log POW): n.a.
Viscosity: n.a. °C
Other information: /

10. STABILITY AND REACTIVITY

Condition to avoid: none
Substances to avoid: none
Hazardous reactions: avoid fire and chemical agents
Hazardous decomposition products: none

11. TOXICOLOGICAL INFORMATION

LD50 oral/rat: >2500 mg/Kg
LC50 inhal./rat: n.a. mg/l
Primary skin irritation/rabbit: not irritant
Primary mucous membrane irritation/rabbit's eyes: likely irritant
Sensitizing: n.a.
Sub cut-chronic toxicity: n.a.
Experience in humans: n.a.
Additional information: n.a.

12. ECOLOGICAL INFORMATION

Elimination information: under its correct use it does not get in contact with residual water. In other case it is easily eliminated in the usual sewage plant.
Product insoluble in water
Water hazard class: WGK (dangerous class for water in RFT) = 0 not dangerous (self assessment)

13. DISPOSAL CONSIDERATIONS

Product: dispose in accordance with local and state laws.
Contaminated packaging: /

14. TRANSPORT INFORMATION

Non classified as dangerous for transport in accordance to the ADR/IMO/IATA regulations.

15. REGULATORY INFORMATION

Directive 2004/73/EC (Classification and labelling):
Classification & labelling: none. The product doesn't need any label.
Symbols: none.
FDA Status: this product does not have FDA approval as a food additive.
USDA Status: this product has not been evaluated by USDA for use in packaging material in direct contact with meat or poultry food product prepared under federal inspection.

This safety sheet is provided in compliance with the Safety Data Sheets Directive (91/155/EEC) as amended by Regulation CE N.1907/2006 (REACH).

16. OTHER INFORMATION

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship

Department issuing data specification sheet:

Registration Department.

Contact:

Registration Department

Heavy metals:

The possible content of soluble heavy metals is micro contaminants are typically below 25 ppm for each of the following:

| | | | |
|----------|----------|--------|-----------------------|
| Antimony | Arsenic | Barium | Cadmium |
| Nickel | Selenium | Zinc | Lead Chromium Mercury |

Polychlorinated biphenyls (PCB's):

From a theoretical assessment the product does not contains PCB.

Inventories:

Australia: the components of the product are included in the AICS.

Canada: the components of the product are included in the DSL.

EU: the components of the product are included in the EINECS.

USA: the components of the product are included in the TSCA.

FDA and BGVV Approvals for food packaging:

In common with most other pigments/pigment preparations the product is not specially approved by FDA and BGVV, but to the best of our knowledge there is no reason for any hesitations as to use the product for food packaging if no migration or peeling.

Aromatic amines:

the content is below 500 ppm.

CONEG:

The heavy metal levels referred above for cadmium, lead, mercury and chromium (hexavalent) are to be in full compliance with the U.S. CONEG's permitted maximum concentration of 100 ppm in packaging materials.

This MSDS cancels and replaces any previous release.