MATERIAL SAFETY DATA SHEET

ACCORDING TO REGULATION CE N.1907/2006 (REACH) Version: 06/01/2016

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

PRODUCT	Optical Brightener KCB
NAME: CAS	5089-22-5
NO.:	225-803-5
EINECS NO.:	C.I. Fluorescent Brightener 367

Use / description of product whitening agent for plastic

SUPPLIER:

Guangdong Taojiayue chemical technology Ltd
Address:No.106, Feng Zhe east road, Nansha area, Guangzhou city, China
Tel 020-39009190
Mail info@opticalwhitener.com

2. HAZARDS IDENTIFICATION

Hazard destination: /

Critical to man and Experience in use of the product shows that is it not a known hazard to human and environment. 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 367	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. none
Unsuitable extinguishing media for	not required as not flammable.

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

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: Storage:	not explosive; no special precaution is necessary even then due to caring effect. To be kept away from fire.
	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
Hand protection:	recommended.
Eye protection:	gloves
Body protection:	gloves
General safety and hygiene	gloves

9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	Powder
Color:	Yellowish-green
Odour	Odorless
Change in physical stage:	n.a.
Melting point/melting range:	n.a.
Boiling point/boiling range:	n.a. °C
Flash point:	DIN >200^{0}C
Ignition temperature:	DIN n.a. °C
Self ignition temperature:	DIN n.a. °C
Self ignition:	DIN n.a.
Explosion hazard:	the product is not explosive. Mixture of air and powder could form
Fire promoting properties:	and they could deflagrate 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-
Octanol/water partition coefficient(log POW):	8.0
Viscosity:	n.a.
Other information:	n.a. °

10. STABILITY AND REACTIVITY

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

11. TOXICOLOGICAL INFORMATION

LD50 oral/rat:	>2500 mg/Kg
LC50 inhall./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.

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	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.

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

Registration Department.

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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): Inventories: From a theoretical assessment the product does not contains PCB.

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 BGW, 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.

safety data sheet based on:

Directive 1999/45/CE and successive modifications and integrations Dlgs. 14/3/2003 n.65
Directive 2001/58/CE and successive modifications and integrations
D.M. 7/9/2002
Decision 2000/532/CE and successive modifications and integrations Directive 2004/74/CE 29。ATP of directive 67/548/CEE
Directive 1999/45/CE and successive modifications and integrations Dlgs. 14/3/2003 n.65
Directive 2001/58/CE and successive modifications and integrations
D. M. 7/9/2002
Decision 2000/532/CE and successive modifications and integrations Directive 2004/74/CE 29。ATP of directive 67/548/CEE
REGULATION CE N.1907/2006 (REACH)

Legislation and reference sources:

Directive 67/548/CEE and successive modifications and integrations Classification and labelling of dangerous substances) - 29。ATP Dlgs.52/97 and successive modifications and integrations (Classification and labelling of dangerous substances)
Directive 1999/45/CE and successive modifications and integrations (Classification and labelling of dangerous preparations)
Directive 2001/58/CE
Dlgs.11/5/99 n.152 and successive modifications and integrations Dlgs.5/2/97 n.22 and successive modifications and integrations
(Management of the wastes)
ADR THE INTERNATIONAL CARRIAGE OF DANGEROUS GOODS BY ROAD International Maritime Dangerous Goods Code (IMDG Code)
International Air Transport Association (IATA)