

# MATERIAL SAFETY DATE SHEET

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Hangzhou Geecolor Chemical Co., Ltd  
19F, Bldg1,Dachenplaza,xiaoshan ETDZ,  
Hangzhou, China  
[info@geecolor.com](mailto:info@geecolor.com)

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## 1. TRADE NAME(PRODUCT IDENTIFIER): Cyanine Blue GF15301

MANUFATURER: Hangzhou Geecolor Chemical Co., Ltd

19F,Bldg1,Dacheng Plaza,xiaoshan ETDZ,Hangzhou,China

EMERGENCY NUMBER : Tel: 0086-571-83737688 Fax:0086-571-83737638

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## 2. COMPOSITION/INFORMATION ON INGREDIENTS

CONTENT: C.I.74160

CAS-NO.: 147-14-8

EINECS NO.: 205-685-1

HAZARDOUS INGREDIENTS: NO Hazardous

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## 3. POSSIBLE HAZARDS

Not classified as hazardous

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## 4. FIRST AID MEASURES

### GENERALADVICE

IF INHALED

IN CASE OF INSUFFICIENT VENTILATION, WEAR SUITABLE  
RESPIRATORY EQUIPMENT. IF A EMPLOYEE HAS INHALED  
MORE THAN A TOLERABLE QUANTITY OF DUST  
COUNTERACT BY REMOVAL OF PERSON TO FRESH AIR

ON SKIN CONTACT

AVOID CONTACT WITH SKIN. WASH CONTAMINATED  
PARTS WITH PLENTY OF WATER

ON CONTACT WITH EYES

AVOID CONTACT WITH EYES. IF EYE CONTAMINATED, RINSE  
IT OUT WITH WATER, ASK FOR MEDICAL HELP

ON INGESTION

WHEN USING DO NOT EAT OR DRINK. IF SWALLOWED,  
INDUCE VOMITING,SEEK MEDICAL ADVICE IMMEDIATELY

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## 5. FIRE FIGHTING MEASURES

Suitable extinguishing media: water, water mist, foam, co2

Unsuitable extinguishing media for safety reasons:

The following can be given off in a fire : gas/ vapour

Special protective equipment : wear suitable respiratory equipment

Further information : the contaminated water must be eliminated based on law

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## 6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: DO NOT BREATHE THE DUST

ENVIRONMENTAL PRECAUTIONS: AVOID CREATING DUST CONDITIONS

METHODS FOR CLEANING UP : BURNING OR DISPOSAL IN ACCORDANCE WITH  
LOCAL REGULATIONS FOR CHEMICAL WASTE

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## 7. HANDLING AND STORAGE

HANDLING :

PROTECTION AGAINST FIRE AND EXPLOSION : KEEP AWAY FROM SOURCES OF IGNITION-NO  
SMOKING TAKE PRECAUTIONARY MEASURES AGAINST STATIC DISCHARGES

STORAGE :

KEEP ONLY IN THE ORIGINAL CONTAINER AWAY FROM FOOD STUFFS IN DRY AND  
VENTILATED AREA

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## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

EXPOSURE LIMITS:TWA(8h/total dust): 10mg/m<sup>3</sup>

TWA(8h/dust breathable): 5mg/m<sup>3</sup>

CONTROL PARAMETERS AND PERSONAL PROTECTIVE EQUIPMENT

RESPIRATORY PROTECTION: FILTERS

HAND PROTECTION: GLOVES

EYE PROTECTION: SAFETY GALSSES

BODY PROTECTION: PROTECTIVE SUIT

GENERAL SAFETY AND HYGIENE MEASURES: WHEN USING DO NOT EAT OR DRINK

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

COLOUR: blue powder

ODOUR: mild

MELTING SOFTENING POINT: 480°C

MOLECULAR FORMULA: C<sub>32</sub>H<sub>16</sub>CuN<sub>8</sub>

MOLECULAR FORMULAR: 576.07

TINTING STRENGTH: 95-105% of the standard

SOLUBLE IN WATER : 1.5% max

DENSITY: 1.12-1.63

VOLATILE AT 105°C: 2.5% max

OIL ABSORPTION: 45-55%

FASTNESS TO LIGHT: 4  
FASTNESS TO HEAT(°C): 180  
BLEEDING RESISTANCE WATER : 5  
BLEEDING RESISTANCE ACID: 5  
BLEEDING RESISTANCE ALKALI : 4-5  
BLEEDING RESISTANCE ALCOHOL: 5

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## **10. STABILITY AND REACTIVITY**

CONDITION TO AVOID: PROTECT FROM HUMIDITY

HAZARDOUS REACTIONS :  
HAZARDOUS DECOMPOSITION PRODUCTS:

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## **11. TOXICOLOGICAL INFORMATION**

ORAL ACUTE TOXICITY(RAT) : LD50 > 2000mg/kg or treated in rats  
SKIN IRRITATION(RABBIT) : Skin irritation studies have been reported to be negative  
EYES IRRITATION(RABBIT'S EYES) : Eye irritation studies have been reported to be negative

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## **12. ECOLOGICAL INFORMATION**

BIOLOGICAL ELIMINATION  
FISH TOXICITY LC50

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## **13. DISPOSAL CONSIDERATION**

DISPOSE OF THE PRODUCT IN ACCORDANCE WITH LAW

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## **14. TRANSPORT INFORMATION**

GGVSee/IMDG: NO HAZARDOUS PRODUCT      UN NO: NO HAZARDOUS PRODUCT  
GGVE/GGVS: NO HAZARDOUS PRODUCT      RID/ADR: NO HAZARDOUS PRODUCT  
ICAO/IATA-DGR: NO HAZARDOUS PRODUCT      ADNR: NO HAZARDOUS PRODUCT

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## **15. REGULATORY INFORMATION**

LABELLING ACCORDING TO EEC DIRECTIVES  
DESCRIPTION OF HAZARDOUS ' SYMBOL  
DESCRIPTION OF RISK PHRASES

IN ACCORDANCE WITH THE FOLLOWING LAW:

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## **16. OTHER INFORMATION**

THE INFORMATION CONTAINED HEREIN IS BASED ON THE PRESENT STATE OF OUR KNOWLEDGE AND DOES NOT THEREFORE GUARANTEE CERTAIN PROPERTIES.

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