

# YIDA COLOR-TECH COMPANY LIMITED

Hezhuang Industry Zone, Xiaoshan District, Hangzhou, China  
TEL : 0571-82960377

## MATERIAL SAFETY DATA SHEET

Product: PIGMENT BLUE 15:3

Date of issue: 10/10/2014

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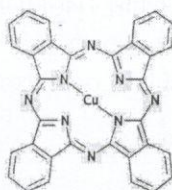
Number of revision: 1

### 1. IDENTIFICATION OF SUBSTANCE/PREPARATION AND COMPANY NAME

Trade name: PIGMENT BLUE 15: 3  
Company identification: YIDA COLOR-TECH COMPANY LIMITED  
Address: Hezhuang Industry Zone, Xiaoshan District, Hangzhou, China  
TEL : 0571-82960377  
Phone number:  
Fax number:  
E-mail:

### 2.COMPOSITION/INFORMATION ON INGREDIENT

Composition: Pigment blue 15:3  
Characterization of the product: Blue powder  
CAS NO.: 147-14-8  
C.I.: 74160:3  
EINECS: 205-658-5  
Chemical formula:  $C_{32}H_{16}CuN_8$   
Molecular structure:



### 3. HAZARDOUS IDENTIFICATION

#### Eye Contact:

Direct contact may cause moderate irritation.

#### Skin Contact:

May cause moderate irritation.

#### Inhalation:

Irritates respiratory passages very slightly.

#### Ingestion:

Repeated ingestion or swallowing large amounts may injure internally.

#### Symptoms of overexposure:

No known applicable information.

#### Existing Conditions Aggravated by Exposure:

No known applicable information.

### 4. FIRST-AID MEASURES





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## Eye Contact:

Immediately flush with water for 15 minutes. Seek medical attention.

## Skin Contact:

Remove from skin and wash thoroughly with soap and water or waterless cleanser. Get medical attention if irritation or other ill effects develop or persist.

## Inhalation:

Remove to fresh air. No first aid should be needed.

## Ingestion:

Get medical attention.

## Comments:

Treat according to person's condition and specifics of exposure.

## 5. FIRE-FIGHTING MEASURES

### Extinguishing media:

Water mist, foam, CO<sub>2</sub>, dry powder

### Special protective equipment for firefighters:

Wear appropriate protective equipment and clothing.

### Protection against fire and explosion:

None

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions:

Avoid contacting with skin and eyes by wearing an approved dust mask.

### Environmental measures:

No special measures required, comply with local regulations.

### As a general precaution:

Wash thoroughly after contact with product.

### Methods for cleaning up:

Vacuum clean dust with equipment fitted with HEPA filter, or spread absorbent material, collect into suitable container for disposal. For large spills, dike with inert material. Collect spilled material for possible salvage or disposal. Report all large spills to environmental authorities. Wash contaminated surface thoroughly with water and detergent. Waste disposal methods should be in accordance with methods set forth by local, state and federal authorities.

## 7. HANDLING AND STORAGE

### Max. Storage temperature:

Not available.

### Preferred storage:

Indoor, store in accordance with standard approved warehousing procedures. Repair all broken bags immediately.

### Handling:

All handling may cause dust emission. Organize the handling in such a way, that the creation of dust is minimized. Secondary dust emission may be minimized by means of good housekeeping.





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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Engineering measures taken before personal protection equipment is necessary:**

Adequate ventilation to keep dust level below local TLV for nuisance dust.

**Components with critical values that require monitoring at the work place:**

not required

**Personal protective equipment:**

**Respiratory:**

Wear disposable respiratory masks, suitable for nuisance dusts.

**Protection of skin and eyes:**

Wear gloves and overalls wear goggles or safety glasses with side shields.

**General protective equipment:**

Cleaning of contaminated garments by suction; do not brush or use compressed air.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	Powder
Color:	Blue
Odor:	Odorless
PH value:	7±1
Pigment content:	99%
Heat resistance:	200°C (6%); 180°C (1%)
Wash fastness:	4-5(CO) ;3-4 (CO)
Rubbing Fastness:	3(Dry); 2-3(Wet)
Alkali treatment:	4
Acid treatment:	4
Light fastness:	6-7
Weather Fastness:	7
Solubility in water:	Insoluble in water.
Molecular Formula:	C <sub>32</sub> H <sub>16</sub> CuN <sub>8</sub>
Molecular Weight:	576.07

## 10. STABILITY AND REACTIVITY

**Conditions to be avoided:**

None in designed use

**Decomposition products:**

Not available

**Chemical stability:**

Stable.

**Hazardous polymerization:**

Will not occur.

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## 11. TOXICOLOGICAL INFORMATION



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## Acute toxicity:

LD50/oral/rat: >5000mg/kg

LC50/inhalation/rat:: Not available.

Chronic toxicity: Considered to be insignificant.

## Primary irritant effect

Skin /rabbit: Non-irritant.

Eyes /rabbit: Non-irritant.

Sensitization: No sensitizing affects known.

## 12. ECOLOGICAL INFORMATION

### Environmental fate and distribution:

Complete information is not yet available.

### Environmental effects:

Complete information is not yet available.

### Fate and effects in waste water treatment plants:

Complete information is not yet available.

## 13. DISPOSAL CONSIDERATIONS

### Product:

Waste from this material is not considered as dangerous waste according to EU-rules and can generally be brought to a normal tip with a permit to handle industrial waste. When contaminated with dangerous products the advice of an expert has to be obtained. In general the product is dusty, and as long as it has not been adequately wetted, it should be packed in well-closed containers for removal. Check the local regulations and requirements.

### Empty packaging:

As above.

## 14. TRANSPORT INFORMATION

### Additional information:

Not classified as dangerous goods.

## 15. REGULATORY INFORMATION

### Designation according to EC guidelines:

Not required

### Risk phrase:

Possible risk of irreversible effects

### Safety advice:

Avoid contact with eyes & skin

### Water hazard class:

Not list in U.N. hazardous list – class 0 (self-assessment)

## 16. OTHER INFORMATION

These dates are based on our present knowledge. Material safety data sheets can never serve the purpose of a specification.

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