

# safety data sheet

according to directive 91/155EEC

May not comply with national legislation:shall be used as a source of information.

## FluorescentWhiteningAgentOB

### 1. Identification of the Substance/preparation and the Company/Undertaking

Chemical characterization

CaS Number 007128-64-5

Producer/Supplier guangzhou yulong chem. company

**Emergency information** :Add:Hubing Road GaoYou City Jiangsu Province

Phone Number 0086-514-84543189

Fax 0086-514-85024060

### 2. Composition/Information on ingredients

CaS Number	Product Name	content	Symbol(s)	R-Phrase(s)
007128-64-5	2,5-thiophenediylbis(5-tret-butyl-1.3-bebxoxaxole)	100%		R53

### 3. Hazards Identification

May cause long-term adverse effects in the aquatic environment .

First Aid Maasures

#### Skin contact

Wash off with soap and plenty of water.Do not use organic solvents.

#### Eye contact

Rinse immediately with piety of water for at least 15 minutes. In case of eye imitation,seek medical attention.

#### Inhalation

Move to frese air.in case of irritation of respiratory system or mucous membrans,seek medical attention.in case of indisposition,seek medical attention.in case of prolonged exposure,seek medical attention.

#### Ingestion

Immediately give plenty (>500ml)of water (if possible slurry).in case of spontaneous vomiting be sure that vomitus can freely drain due of danger of suffocation .give water repeatedly. Artificail induction of vomiting should be restricted to first aid staff. Give nothing by mouth in case of unconscionsness or convulsion .

### 5. Fire-fighting measures

#### Suitable extinguishing media

Water spray ,foam,drypowder,carbondioxide(CO2)

#### Extinguting media which must mot be used for safety reasons

High volume water jet

#### Exposure hazards

Contaminated water from fire hoses or spinklers,etc , must be prevented from draining into watercourses, sewers ,or the ground water.Sufficient measuers must be taken to rattan water used for extinguishing ,Contaminated water and soil must be disposed of in conformity with local regulations.

#### Special protecive equloment for firefighters

Wear full protecive clothing.Wear self-contained breathing apparatus.

#### Hazardous decomposition products

Oxides of carbon,Oxides of nitrogen (Nox),Oxides of sulfur,Toxic gases/vapours.

### 6. Accidental Release Measures

### **Personal precautions**

Do not breathe vapours/dust ,Remove all sources of ignition .Avoid contact with skin ,eyes and clothing.

### **Environmental precautions**

Do not flush into surface water ,sanitary sewer or ground water system .

### **Methods for cleaning up**

Use mechanical handling equipment.Collect the spilled product into suitable containers,which must be tightly sealed and properly labelled .Avoid dust formation.

## **7.Handling and Storage**

### **Handling**

Handle and open container with care. Avoid dust formation and ignition sources. Ensure good local exhaust ventilation.

Do not eat ,drink or smoke at the workplace.

### **Storage**

Keep away from food and drink. Store in the original container securely closed.

Protect from heat. Danger! Explosion risk of explosion if an air-dust mixture forms. Avoid creating dusty conditions. Empty only into earthed containers is larger than 2000liter in volume,or when flammable solvents are present inert container or use a system otherwise designed to prevent or contain an explosion-see expert advice.

## **8.Exposure controls/personal protection**

### **Exposure limit values 10 mg/m<sup>3</sup>**

Justification to exposure be monitored using suitable analytical equipments.

Technical measures/precautions

Exposure limit(s)should be monitored using suitable analytical equipments.

### **Respiratory protection**

Effective dust mask

### **Hand protection**

Protective gloves

### **Eye protection**

Suitable goggles or face protection

### **Skin and body protection**

Working clothes. Closed footwear

## **9.Physica and chemical properties**

### **General information**

Appearance

Form	powder
Colour	Yellow
Odour	odourless

<b>Important health safety and environmental information</b>	
PH-value 1% suspension in water	20-25 6.2
Boiling point/range	--°C
Flash point	>350°C
Oxidising properties	None
Vapour pressure	No data
Density	1.26g/cm <sup>3</sup>
Solubility in water 20°C	<1mg/l
Vapour pressure 20°C	2.6E8pa
Viscosity-	
Other information	
Melting point	196-203°C

Ignition temperature 490°C BAM

Explosion properties ----

### 10. Stability and reactivity

decomposition temperature >350°C

Conditions to avoid static discharges

Materials to avoid strong acids, strong bases and strong oxidising agents

Hazardous decomposition products oxides of carbon, oxides of nitrogen (Nox), oxides of sulfur, toxic gases/vapours

### 11. Toxicological information

Acute toxicity

-LD50 oral >2000mg/kg Rat

-LD50 dermal -----

Acute dermal -----

Irritation/corrosion

Rabbit

Acute eye irritation/corrosion -----

Acute skin sensitisation Not sensitizing

Guinea pig

### 12. Ecological information

acute toxicity to fish LC50 >100mg/l

zebra fish (braohydanio rerlo) 96h

acute toxicity to daphnia EC50 >100mg/l

daphnia magna 24h

acute toxicity to bacteria IC50 >100mg/l 3h

acute toxicity to algae -----

Do not discharge product unmonitored into the environment

### 13. Disposal considerations

Product disposal Incineration, landfill. Observe local regulations.

Contaminated packaging Contaminated, empty containers must be disposed of as chemical waste.

### 14. Transport information

flash point >350°C

KEEP AWAY FROM FOODSTUFFS

Transport road and rail

UN Number ADR/RID FREE

Correct technical name ADR/RID

ADR/RID Class

Packing Group

Transport air

UN Number ICAO FREE

Proper shipping name

ICAO Class

Packing Group

Transport sea

UN Number IMO FREE

Proper shipping name

IMDG Class

Packing Group

## 15. Regulatory information

Symbol and classification self-classification  
R-Phrases **R 53** May cause long-term adverse effects in the aquatic environment  
S-Phrases **S 61** Avoid release to the environment. Refer to special instructions/safety  
Contains 2,5-thiophenediyl-bis(5-tert-butyl-1,3-benzoxazole)

## 16. Other information

The information contained herein is based on the present state of our knowledge and does not therefore guarantee certain properties.

Recipients of our product must take responsibility for observing laws and regulations.