

SHANDONG JILING CHEMICAL CO.LIMITED

Add: 58# North Industry Road, Licheng District, Jinan, Shandong, China.
Tel: +86 531 88685898 Fax: +86 531 88685898 web: www.sdjchem.com

MATERIAL SAFETY DATA SHEET

1. Identification of substance/preparation and the company/Undertaking

Chemical name: 2,5-Thiophenediylbis(5-tert-butyl-1,3-benzoxazole) EC: 230-426-4, CAS: 7128-64-5
Trade Name: Optical brighteners OB
CAS Number: 7128-64-5
Producer/Supplier: SHANDONG JILING CHEMICAL CO.LIMITED
Address: 58# North Industrial Road, Licheng District, Jinan, Shandong, China.
Phone number: +86-531-88685898
Postcode: 250000

2. Composition/Information on Ingredients

CAS number	Product Name	Content
7128-64-5	2,5-Thiophenediylbis(5-tert-butyl-1,3-benzoxazole)	100%

3. Hazards identification

No special hazards

According to Regulation (EC) No. 1907/2006 (modified in accordance with Commission Regulation (EU) 2015/830)

4. First Aid Measures

Skin contact

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

Eye contact

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

Inhalation

Move to fresh air. In case of irritation of respiratory system or mucous membranes,seek medical attention. In case of Indisposition, seek medical attention. In case of prolonged exposure, seek medical a attention.

Ingestion

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

5. Fire-Fighting Measures

Suitable extinguishing media

Water spray, carbon dioxide (co2), foam, Dry powder

Extinguishing media which must not be used for safety reasons

High volume water jet

Exposure hazards

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

Special protective equipment for firefighters

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



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Hazardous decomposition products

Oxides of carbon, Oxides of nitrogen(NO_x), Oxides of sulfur, Toxic gases/vapors

6. Accidental Release Measures

Personal precautions

Do not breathe vapors/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 labeled. 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. Risk of explosion if an air-dust mixture forms. Avoid creating dusty conditions.

Empty only into earthed containers. If container 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—seek expert advice.

8. Exposure Controls/Personal Protection

Technical measures/precautions

No special precautions required

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. Physical and Chemical properties

Form

powder

Colour

light-yellow or milk white

Odour

odourless

Melting/freezing temperature

201-205°C

Boiling point/range

not tested

DENSITY 20°C

1.23g/cm³

Flash point

not tested

Ignition Temperature

not tested

Oxidizing Temperature

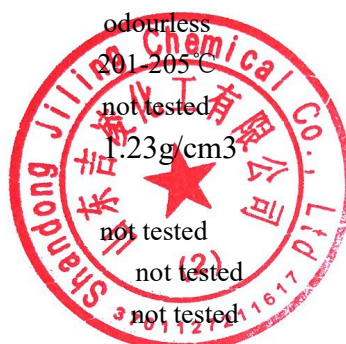
not tested

Self-ignition temperature

not tested

Water solubility20°C

<1mg/l



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Vapour pressure 20°C 1.3E-10Pa

Partition coefficient; Log Pow 20 – 25°C not tested

PH-value 1% suspension in water 20-25°C 6.2

Explosive properties not tested

10. Stability and reactivity

Decomposition temperature >250°C

Conditions to avoid Static discharges.

Materials to avoid Strong acids, strong bases and strong oxidizing agents.

Hazardous decomposition products Oxides of carbon, Toxic gases/vapors

11. Toxicological Information

Acute oral toxicity LD50 >2000mg/kg

Rat

Acute dermal not irritant

Irritation/corrosion

Rabbit

Acute eye irritation/corrosion not irritant

Rabbit

Acute skin sensitization not irritant

12. Ecological Information

Acute toxicity to fish 96 h LC50 >100mg/l

Acute toxicity to daphnia 24 h EC50 >100mg/l

Acute toxicity to bacteria 3 h IC50 >200mg/l

Acute toxicity to algae EC50 not tested

Biodegradability not biodegradable

Ecotoxic effects Do not discharge product unmonitored into the environment.

13. Disposal considerations

Waste from residues/unused products

Residual chemical should be disposed by incineration or by other modes of disposal in compliance with local legislation.

Contaminated packaging

Contaminated packing material should be treated equivalent to residual chemical. Clean packaging material should be subjected to waste management schemes (recovery recycling, reuse) according to local legislation.

14. Transport information

Flash point

ADR/RID Class: Free

IMO Class: Free

ICAO Class: Free



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15. Regulatory Information

CAS Number	7128-64-5
Contains	2,5'-Bis[2-(5-tert-butyl-2-benzoxazolyl)thiophene
Classification	Self-classification

16. Other Information

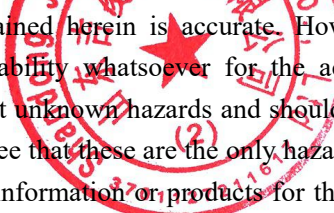
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Declare to reader:

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END OF THE SAFETY DATA SHEET
