

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: 2,2'-(vinylenedi-p-phenylene)bisbenzoxazole EC: 216-245-3, CAS: 1533-45-5
Trade Name: Optical brightener OB-1
CAS Number: 1533-45-5
Producer/Supplier: SHANDONG JILING CHEMICAL CO.LIMITED
Address: 58# North Industrial Road, Licheng District, Jinan, Shandong, China.
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2. Composition/Information on Ingredients

CAS number	Product Name	Content
1533-45-5	2,2'-(vinylenedi-p-phenylene)bisbenzoxazole	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 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.

Hazardous decomposition product

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Oxides of carbon, Oxides of nitrogen(NOX), 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

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9. Physical and Chemical properties

Form	Powder
Colour	yellow-green
Odour	odourless
Melting/freezing temperature	358°C~360°C
Boiling point/range	not tested
DENSITY 20° C	1.23g/cm3
Flash point	
Lgnition Temperature	not tested
Oxidizing properature	not tested
Self-ignition temperature	not tested
Water solubility20° C	<1mg/l
Vapour pressure 20° C	1.3E-10Pa
Partition coefficient; Log Pow 20 - 25° C	not tested
PH-value 1% suspension in water20-25° 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 Irritation/corrosion		not irritant
Rabbit		
Acute eye irritation/corrosion		not irritant
Rabbit		
Acute skin sensitization		not irritant

12. Ecological Information

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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

15. Other information

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Version: 1.0

Declare to reader:

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. Users should make their own investigation to determine suitability of the information or products for their own particular purposes. The SDS was prepared and is to be used only for the substance as such. If the substance is used as a component in another product, information in this SDS may not be applicable.

END OF THE SAFETY DATA SHEET