

Vincent Plastic Ltd.

Vincent OB1

Optical Brightener



MATERIAL SAFETY DATA SHEET

(Conforms to the EC Commission Directive 91/155/CEE)

Date/revised: 15th, March, 2024

Product: **OPTICAL BRIGHTENER**

1.-Registered name

Registered name: OPTICAL BRIGHTENER
Description: OB-1

2.-Composition/Information on ingredients

4,4'-Bis(2-benzoxazolyl) stilbene

CAS NO: 1533-45-5

EINECS: 216-245-3

3.-Hazard Identification

OSHA HAZARDS:

No known OSHA hazards.

Hazard statement(s) :

H302	Harmful if swallowed.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.

Precautionary statement(s) :

P261	Avoid breathing dust.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

HMIS Classification:

Health hazard :	0
Flammability :	0

Physical hazards : 0

NFPA rating:

Health hazard : 0

Fire : 0

Reactivity Hazard : 0

Potential environmental effects:

Low toxicity to aquatic organisms.

4.-First aid measures

If inhaled : Remove to fresh air immediately, if not breathing, give artificial respiration. If breathing is difficult, give oxygen and get immediate medical attention.

In case of skin contact : Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention if irritation occurs. Wash clothing before reuse.

In case of eye contact : Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.

If swallowed : If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Get medical aid immediately.

5.-First fighting measures

Suitable extinguishing media : carbon dioxide, dry powder, foam, water fog

Hazardous combustion products : Burning may produce toxic combustion products

Hazards during fire-fighting: Standard procedure for chemical fires. The product can form an explosive dust/air mixture.

Protective equipment for fire-fighting : Wear self-contained breathing apparatus and chemical-protective clothing.

6.-Accidental Release Measures

Cleanup : Sweep up and shovel into suitable containers for disposal.

Avoid raising dust.

Wear suitable protective equipment.

Should not be released into the environment.

7.-Handling and storage

Handling: Avoid contact with eyes, skin. Do not inhale.

Avoid formation of dust and aerosols Provide appropriate exhaust ventilation at places where dust is formed.

Normal measures for preventive fire protection.

Storage: Keep container tightly closed in a dry, cool and well-ventilated place.

8.-Exposure controls/personal protection

Contains no substances with occupational exposure limit values. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.

Personal protective equipment:

Eye protection : Wear chemical safety goggles.

Body protection : Wear appropriate protective gloves to prevent skin exposure.

Respiratory protection: Wear appropriate respirators where necessary.

General safety and hygiene measures : Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

9.-Physical and chemical properties

Color:	yellow to greenish yellow
Form:	fine, powder
State of matter:	solid
Odour :	odourless
pH value:	Not tested
Flammability:	Not tested
Flash point:	Not tested
Self-ignition temperature:	Not tested
Boiling point:	Not applicable
Melting point:	357~359°C
Vapour pressure:	Not tested
Density:	1.39 g/cm ³ (25°C)
% Volatiles:	≤0.5%
Solubility in water:	0.02 mg/L
Solubility in other solvents:	Not tested
Decomposition temperature:	Not tested

10.-Stability and reactivity

Chemical stability: Stable under normal temperatures and pressures.

Conditions to avoid: Avoid electro-static discharge. Avoid sources of ignition.
Substances to avoid: Strong oxidizing agents, strong acids, strong bases.
Hazardous decomposition products: Hazardous decomposition products formed under fire conditions.
- Carbon oxides, nitrogen oxides (NOx)

11.-Toxicological information

Acute oral toxicity:

LD50 / oral / rat: >2,000mg/Kg

Acute inhalation toxicity:

Not determined.

Acute dermal toxicity:

LD50 / dermal / rat: >1,000mg/Kg

Skin irritation:

rabbit : Not an irritant.

Eye irritation:

rabbit : Not an irritant.

Skin Sensitization:

Guinea Pig : Not a sensitizer.

Chronic toxicity:

Not determined.

Subchronic Toxicity:

Not determined.

Subacute toxicity:

Not determined.

Genetic toxicity:

Ames Test: Negative

Chromosomal Aberration Assay: Negative

HGPRT Test: Negative.

Carcinogenicity:

None of the components in this product at concentrations greater than 0.1% are listed by IARC; NTP, OSHA or ACGIH as a carcinogen.

Reproductive toxicity:

Not determined.

Developmental toxicity/teratogenicity:

Not determined.

Neurotoxicity:

Not determined.

12.-Ecological information

Toxicity to fish:

Fish general (Pisces)/96h/LC50 : >0.02mg/L

Test concentrations were based on the solubility of the substance in test media.

Toxicity to aquatic invertebrates:

Daphnia magna/96 h/EC50: > 0.02 mg/L

Test concentrations were based on the solubility of the substance in test media.

Toxicity to aquatic plants:

Not tested

Toxicity to microorganisms:

activated sludge/5h/IC50 : >100mg/L

Biodegradation:

Not tested

13.-Disposal consideration

Send to a licensed solid waste disposal company to dispose in accordance with national and local regulations.

14.-Transport information

Not dangerous goods.

15.-Regulatory information

This safety datasheet complies with the requirements of GB/T 16483-2008

Safety datasheet of chemicals: Content and Item order.

Applicable regulations: Workshop Safety Use of Chemicals (1996) Labor Department issued No.423Hazardous

Chemical Materials Safety Management Regulations: The State Council issued by Feb, 1st, 2002

Hazardous Chemical Materials Safety Management Regulations Implementation Detail: The law issued by NO.667 in 1992.

16.-Other information

The information contained herein is based upon data believed to be correct. However, no guarantee or

warranty of any kind, expressed or implied, is made with respect to such data or information. The user is responsible for deer mining whether the product is suitable for its intended conditions of use.