

# SAFETY DATA SHEET



Revision Date 02-Jun-2015 Version 1

## 1. Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

**Product name** Optical Brightener

**Product code** OB-286

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

**Recommended Use** Dyestuff

**Restrictions on use** No information available

### 1.3 Details of the supplier of the safety data sheet

**Supplier** Black Light World 2256 Martin Pierce Road Cub Run, KY 42729 (270) 528-6555

**E-mail Address** service@blacklightworld.com

**1.4 Emergency telephone number** (270) 528-6555

## 2. Hazards identification

### 2.1 Classification of the substance or mixture

**GHS Classification in accordance with 29 CFR 1910.1200**

### 2.2 Label elements

This product is not classified.

### 2.3. Other Hazards Hazards not otherwise classified (HNOC)

Not Applicable

### 2.4 Other information

Not Applicable

**Unknown Acute Toxicity** < 1% of the mixture consists of ingredient(s) of unknown toxicity

### 3. Composition/Information on Ingredients

**Substance**

This material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

**Chemical Name** 2,5-Thiophendiylbis(5-tert.-butyl-1,3-benzoxazol) **CAS-No** 7128-64-5 **Weight %** 90-100

\* The exact percentage (concentration) of composition has been withheld as a trade secret.

### 4. First aid measures

**4.1 Description of first-aid measures**

**General advice** No information available.

**Eye contact** Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. If symptoms persist, call a physician.

**Skin contact** Immediate medical attention is not required. Wash off with soap and water.

**Inhalation** Immediate medical attention is not required. Move to fresh air.

**Ingestion** Do NOT induce vomiting. Drink plenty of water. Consult a physician.

**4.2 Most important symptoms and effects, both acute and delayed**

**Symptoms** See Section 2.2, Label Elements and/or Section 11, Toxicological effects. **4.3**

**Recommendations for immediate medical care and/or special treatment**

**Notes to physician** Treat symptomatically.

### 5. Fire-Fighting Measures

**5.1 Extinguishing media****Suitable extinguishing media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable Extinguishing Media** None.

**5.2 Specific hazards arising from the substance or mixture**

**Special Hazard** None known based on information supplied

**Hazardous Combustion Products** Carbon oxides. Nitrogen oxides (NOx).

**Explosion Data**

**Sensitivity to Mechanical Impact** None.

**Sensitivity to Static Discharge** Fine dust dispersed in air, in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.

**5.3 Advice for firefighters** As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

### 6. Accidental Release Measures

**6.1 Personal precautions, protective equipment and emergency procedures**

Ensure adequate ventilation, especially in confined areas. Use personal protective equipment.

**6.2 Environmental precautions**

Dust deposits should not be allowed to accumulate on surfaces as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration. Avoid dispersal of dust in the air (i.e., cleaning dusty surfaces with compressed air). Non sparking tools should be used. Prevent product from entering drains.

**6.3 Methods and materials for containment and cleaning up**

Prevent dust cloud. Cover powder spill with plastic sheet or tarp to minimize spreading. Avoid dust formation. Take precautionary measures against static discharges. Do not dry sweep dust. Wet dust with water before sweeping or use a vacuum to collect dust. Use personal protective equipment. Take up mechanically and collect in suitable container for disposal. Prevent product from entering drains. Keep in suitable and closed containers for disposal.

## 7. Handling and storage

**7.1 Precautions for safe handling**

**Advice on safe handling** Avoid dust formation. Take precautionary measures against static discharges. Fine dust dispersed in air may ignite. Wear personal protective equipment.

**Hygiene measures** Handle in accordance with good industrial hygiene and safety practice.

**7.2 Conditions for safe storage, including any incompatibilities**

**Storage Conditions** Keep tightly closed in a dry and cool place.

**Materials to Avoid** No materials to be especially mentioned.

## 8. Exposure controls/personal protection

**Methods for Containment Methods for cleaning up****8.1 Occupational Exposure Limits (OEL)****8.2 Appropriate engineering controls**

**Engineering Measures** Showers Eyewash stations, Ventilation systems.

**8.3 Individual protection measures, such as personal protective equipment**

**Eye/Face Protection** Safety glasses with side-shields

**Skin and body protection** Wear chemical resistant footwear and clothing such as gloves, an apron or a whole body suit as appropriate.

**Respiratory protection** If irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations. NIOSH/MSHA approved respiratory protection should be worn if exposure is anticipated.

**Hygiene measures** See section 7 for more information

## 9. Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

**Physical state** Solid

**Appearance** Powder

**Color** Yellow

**Odor** Mild

**Odor Threshold** No information available

Property	Values	Remarks ·Methods
<b>PH</b>		
<b>Melting/freezing point</b>		No information available
<b>Boiling point/boiling range</b>	Not Applicable	No information available
<b>Flash Point</b>	Not Applicable	No information available
<b>Evaporation rate</b>		No information available
<b>Flammability (solid, gas)</b>		No information available
<b>Flammability Limits in Air</b>		
<b>upper flammability limit</b>		No information available
<b>lower flammability limit</b>		No information available
<b>Vapor pressure</b>		No information available
<b>Vapor density</b>		
<b>Specific Gravity</b>	1.44	
<b>Water solubility</b>	Insoluble in water	
<b>Solubility in other solvents</b>		No information available
<b>Partition coefficient</b>		No information available
<b>Auto ignition temperature</b>		No information available
<b>Decomposition temperature</b>		No information available
<b>Viscosity, kinematic</b>		No information available
<b>Viscosity, dynamic</b>		No information available
<b>Explosive properties</b>		No information available
<b>Oxidizing Properties</b>		No information available

### 9.2 Other information

**Volatile organic compounds (VOC)** None

**Content**

## 10. Stability and Reactivity

**10.1 Reactivity** No dangerous reaction known under conditions of normal use

**10.2 Chemical stability** Stable

### 10.3 Possibility of hazardous reactions

None under normal processing.

### 10.4 Conditions to Avoid

Dust formation. Take precautionary measures against static discharges.

### 10.5 Incompatible Materials

None known based on information supplied.

### 10.6 Hazardous Decomposition Products

None known based on information supplied.

## 11. Toxicological information

### 11.1 Acute toxicity

#### Numerical measures of toxicity: Product Information

**Unknown Acute Toxicity** < 1% of the mixture consists of ingredient(s) of unknown toxicity

#### Numerical measures of toxicity: Component Information

### 11.2 Information on toxicological effects

#### Skin corrosion/irritation

Product Information

•Not adermal irritant

Component Information

•No information available

#### Eye damage/irritation

Product Information

•May cause eye irritation.

Component Information

•No information available

#### Respiratory or skin sensitization

Product Information

•No information available

Component Information

•No information available

#### Germ Cell Mutagenicity

Product Information

•No information available

Component Information

•No information available

#### Carcinogenicity

Product Information

•Contains no ingredient listed as a carcinogen

Component Information

•

#### Reproductive toxicity

Product Information

•No information available

Component Information

•No information available

#### STOT - single exposure

No information available

#### STOT - repeated exposure

•No known effect

#### Other adverse effects

Target Organs

•No information available

Product Information

•No information available

Component Information

•No information available

**Aspiration hazard**

Product Information

•No information available

Component Information

•No information available

## **12. Ecological information**

### **12.1 Toxicity**

**Ecotoxicity**

No information available

< 1 % of the mixture consists of components(s) of unknown hazards to the aquatic environment

**Ecotoxicity effects**

### **12.2 Persistence and degradability**

No information available.

### **12.3 Bioaccumulative potential**

Discharge into the environment must be avoided

### **12.4 Mobility in soil**

No information available.

### **12.5 Other adverse effects**

No information available

## **13. Disposal Considerations**

### **13.1 Waste Disposal Guidance**

Dispose of in accordance with federal, state, and local regulations.

## **14. Transport Information**

**DOT** Not regulated

**MEX** Not regulated

**IMDG** Not regulated

**IATA** Not regulated

## **15. Regulatory information**

### **15.1 International Inventories**

<b>TSCA</b>	Complies
<b>DSL</b>	Complies
<b>EINECS/ELINCS</b>	Complies
<b>ENCS</b>	Complies
<b>IECSC</b>	Complies
<b>KECL</b>	Complies
<b>PICCS</b>	Complies
<b>AICS</b>	Complies
<b>NZIoC</b>	Complies

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**DSL** - Canadian Domestic Substances List

**EINECS/ELINCS** - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

**IECSC** - China Inventory of Existing Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

**AICS** - Australian Inventory of Chemical Substances

**NZIoC** - New Zealand Inventory of Chemicals

## 15.2 U.S. Federal Regulations

### SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

### 15.3 Pesticide Information

Not applicable

### 15.4 U.S. State Regulations

## 16. Other information

**NFPA Health Hazard – Flammability - Instability - Physical and chemical hazards -**

**HMIS Health Hazard 1 Flammability 1 Physical Hazard 0 Personal protection X**

### Legend:

*ACGIH (American Conference of Governmental Industrial Hygienists) Ceiling (C)*

*DOT (Department of Transportation)*

*EPA (Environmental Protection Agency)*

*IARC (International Agency for Research on Cancer)*

*International Air Transport Association (IATA)*

*International Maritime Dangerous Goods (IMDG)*

*NIOSH (National Institute for Occupational Safety and Health)*

*NTP (National Toxicology Program)*

*OSHA (Occupational Safety and Health Administration of the US Department of Labor)*

*PEL (Permissible Exposure Limit)*

*Reportable Quantity (RQ)*

*Skin designation (S\*)*

*STEL (Short Term Exposure Limit) TLV® (Threshold Limit Value) TWA (time-weighted average)*

**Prepared By** Black Light World

Regulatory Affairs/Product Safety

**Revision Date** 02-Jun-2015

**Revision Note** No information available

**Disclaimer**

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**