

# SAFETY DATA SHEET



Revision Date 30-June-2018 Version 1

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

### 1.1 Product identifier

**Product name** All Purpose Invisible Blue Ink Water Based

**Product code** UV Blue Water Soluble Dye

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

**Use** Invisible Marking

**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**

Skin corrosion/irritation Category 2

Serious eye damage/eye irritation Category 2

Specific target organ toxicity (single exposure) Category 3 - (H335)

### 2.2 Label elements

**Signal Word**

Warning

**Hazard Statements**

Causes skin irritation

Causes serious eye irritation

May cause respiratory irritation

**Precautionary Statements - Prevention**

Wash face, hands and any exposed skin thoroughly after handling Wear protective gloves/protective clothing/eye protection/face protection Avoid breathing dust/fume/gas/mist/vapors/spray Use only outdoors or in a well-ventilated area

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing If eye irritation persists: Get medical advice/attention  
IF ON SKIN: Wash with plenty of soap and water  
If skin irritation occurs: Get medical advice/attention  
Take off contaminated clothing and wash before reuse  
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing Call a POISON CENTER or doctor/physician if you feel unwell

**Precautionary Statements - Storage**

Store in a well-ventilated place. Keep container tightly closed Store locked up

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**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** C.I. Fluorescent Brightener 220 **CAS-No** 16470-24-9 **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. See Section 12 for additional Ecological information.

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

**Methods for Containment** Prevent dust cloud. Cover powder spill with plastic sheet or tarp to minimize spreading.

**Methods for cleaning up** 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**

#### **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** Liquid

**Appearance** Light Yellow Liquid

**Color** Yellow

**Odor** Mild

**Odor Threshold** No information available

#### Property Values

**pH** Not Applicable

**Melting/freezing point** No information available

**Boiling point/boiling range** No information available

**Flash Point** Not Applicable No information available

**Evaporation rate** Not Applicable No information available

**Flammability (solid, gas)** No information available

#### Flammability Limits in Air

**upper flammability limit** No information available

**lower flammability limit** No information available

**Vapor pressure** No information available

**Vapor density** No information available

**Specific Gravity** 0.61

**Water solubility** Soluble in water

**Solubility in other solvents** No information available

**Partition coefficient** No information available

**Auto ignition temperature** No information available

**Decomposition temperature** No information available

**Viscosity, kinematic** No information available

**Viscosity, dynamic** No information available

**Explosive properties** No information available

**Oxidizing Properties** No information available

### 9.2 Other information

**Volatile organic compounds (VOC) content** None

### 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. Stability and Reactivity

**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.

### 11.1 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. Toxicological information

### 11.2 Information on toxicological effects

#### **Skin corrosion/irritation**

Product Information

- Irritating to skin

Component Information

- No information available

#### **Eye damage/irritation**

Product Information

- Irritating to eyes

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

**Chemical Name**

C.I. Fluorescent Brightener 220 16470-24-9

**Toxicity to algae**

EC50: 72 h *Desmodesmus subspicatus* 1000 mg/L EC50: 96 h *Desmodesmus subspicatus* 1000 mg/L

**Toxicity to fish** -

**Toxicity to daphnia and other aquatic invertebrates** -

### 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

**TSCA** Complies

**DSL** Complies

**EINECS/ELINCS** Complies

**ENCS** Complies

**IECSC** Complies

**KECL** Complies

**PICCS** Complies

**AICS** Complies

**NZIoC** -

**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 2 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)*



All Purpose Invisible Blue Ink Water Based

Revision Date 30-June-2018

**Prepared By** Black Light World  
Regulatory Affairs/Product Safety

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**Revision Note**

No information available

**Disclaimer**

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**End of Safety Data Sheet**