

# Brain Power Inc.

Safety Data Sheet according to EC 1907/2006, 1272/2008, 830/2015

OSHA Hazard Communication Standard 29 CFR 1910.1200. GHS Rev

Date of Issue: 4 November, 2016

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

1.1 Product identifier(s): **BPI UV Diamond Dye; BPI UV Diamond Dye XL**

Product codes: 37100, 37101, 37104, 37106, 37200, 37202.

1.2 Relevant Identified Uses of the substance or mixture and uses advised against:

Use: Impart UV protection to plastic eyeglass lenses

Uses advised against: No data

1.3 Details of the supplier of the safety data sheet:

Brain Power Inc.; 4470 S.W. 74<sup>th</sup> Ave.; Miami, Florida ; USA 33155.

1.4 Emergency Telephone Number:

Telephone: 0013052644465 Fax: 0013052641467

Information department: 001 305 264 4465

Emergency contact: 001 305 264 4465 (x364)

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## 2. Hazards identification

2.1 Classification of the substance or mixture according to Regulation EC 1272/2008 (CLP):

This product is not classified as hazardous according to Regulation EC 1272/2008 (CLP).

2.2 GHS Label elements (EC) 1272/2008:

Pictogram(s): Not applicable.

Signal Word: Not applicable.

Contains: Ethanol

Hazard Statement(s): Not applicable.

Precautionary Statement(s): Avoid breathing spray. Wash thoroughly after handling. Wear protective gloves and eye protection. If swallowed, call a poison center or physician if you feel unwell. If on skin: wash with plenty of soap and water. If skin irritation or rash occurs: get medical advice. 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. Dispose of contents/container in accordance with local / national / international regulations.

2.3 Contains a UV absorber (less than 1%) that may produce an allergic reaction. Possible irritation of skin, eyes or respiratory tract may occur. Flash point of mixture over 60C.

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## 3. Composition / information on ingredients

3.1 Substance:

Chemical name:

CAS-Reg.No:

EC-No:

EINECS-No:

Further information:

3.2 Mixture:

Description: Benzophenone UV Dyes in water and ethanol with surfactants.

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Chemical name: Ethanol  
Synonym: Ethyl alcohol  
CAS-Reg.No: 64-17-5  
EC-No: 200-578-6  
EINECS-No: 603-002-00-5  
Hazards: Highly flammable liquid and vapour (H225).  
Concentration: Less than 10%

Ingredients at concentrations not known to be hazardous:

Content: 100%

Further information: Other ingredients not at concentrations known to be hazardous. Flash Point of mixture greater than 60C.

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## 4. First-aid measures

### 4.1 Description of first aid measures

- General Advice : Consult a physician. Show this safety data sheet to the doctor. If exposed or concerned, get medical advice/attention.
- Inhalation : Move to fresh air.
- Skin contact : If on skin: wash with plenty of soap and water. Flush exposed area well with water for at least 15 minutes. If skin irritation or rash occurs: get medical advice.
- Eye contact : 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.
- Ingestion : If swallowed, call a poison center or physician if you feel unwell. Rinse mouth with water. Show the container, safety data sheet or label.

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

The most important known symptoms and effects are described in the labeling (see section 2.2 and/or section 11).

### 4.3 Indications of any immediate medical attention and special treatment needed

See section 2.2 .

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## 5. Fire-fighting measures

5.1 Extinguishing media: Water fog, dry chemical, carbon dioxide, foam.

Unsuitable extinguishing media: No data

### 5.2 Special hazards arising from the substance or mixture:

Decomposing may produce oxides of carbon, nitrogen, and/or sulfur.

### 5.3 Advice for fire-fighters:

Wear self-contained breathing apparatus with protective clothing to avoid personal contact. Disconnect all ignition sources.

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## 6. Accidental release measures

### 6.1 Personal precautions, protective

equipment and emergency procedures : Disconnect all ignition sources. Avoid eye or skin contact. Do not swallow. Wear impervious gloves (such as disposable latex) and splash-proof chemical goggles..Avoid skin contact. For major spills wear a NIOSH or CEN approved respirator for organic vapors. Wash thoroughly after handling.

6.2 Environmental precautions : Soak up all spills with inert absorbent material. Place in closed container for proper waste disposal.

6.3 Methods and materials for containment and cleaning up:

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6.4 Reference to other sections : Soak up all spills with inert absorbent material. Place in closed container for proper waste disposal.  
See Section 4 and 5.2

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## 7. Handling and storage

7.1 Precautions for Safe Handling: Use only with appropriate equipment. Avoid open flame, spark or hot plate. Avoid eye and skin contact. Do not Swallow. Wash well after use. Eye washes and safety showers are strongly recommended. Keep out of reach of children.

7.2 Conditions for Safe Storage, including any incompatibilities: Stable on storage under normal conditions. Avoid ignition sources. Avoid oxidizing and reducing agents, strong acids and strong bases.

7.3 Specific End Use: Impart UV protection to Plastic Eyeglass Lenses.

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## 8. Exposure controls and personal protection

8.1 Control parameters: OSHA TWA 1,900 mg/m3 for ethanol component.  
8.2 Exposure control: Handle in accordance with good industrial hygiene and safety practices. Avoid all personal contact. Wear appropriate safety equipment. Wash hands before breaks and at the end of workday.

Personal protective equipment :  
Respiratory protection : Where risk assessment shows air purifying respirators are appropriate, use a NIOSH or CEN approved respirator for organic chemicals. Ventilation: Local mechanical exhaust is recommended.  
Hand protection : Wear protective gloves. Wear suitable impervious gloves (such as disposable latex).  
Eye / face protection : Wear eye protection. Chemical resistant safety goggles are strongly recommended.  
Skin protection : Protective lab coat recommended. Wear suitable protective clothing and gloves.

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## 9. Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Appearance:  
Colour: Supernatant liquid  
Odour: Slight odor  
Changes in physical state  
Boiling point/Boiling range (°C) : no data  
Melting point (°C) : no data  
Freezing temperature (°C) : no data  
Flash point (°C) : greater than 60C  
Ignition temperature (°C) : no data  
Autoignition : no data  
Explosion hazard : None known  
Explosion limits (Vol.-%) : lower: no data upper: no data  
Vapour pressure (mbar) : no data  
Vapor density (g/cm3) : no data  
Bulk density (kg/m3) : no data  
Solubility in water : Miscible  
Solubility in other solvents : no data  
pH-value : no data  
Viscosity : no data

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9.2 Other safety information : Avoid ignition sources, open flame, or hot plate as a precaution.

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### 10. Stability and reactivity

10.1 Reactivity : Hazardous polymerization will not occur.  
10.2 Chemical Stability : Stable on storage under normal conditions.  
10.3 Possibility of Hazardous Reactions : None Known  
10.4 Conditions to avoid : Avoid ignition sources, open flame, or hot plate as a precaution.  
10.5 Incompatible materials : Avoid oxidizing and reducing agents, strong acids and strong bases.  
10.6 Hazardous decomposition products : Decomposing may produce oxides of carbon, nitrogen, and/or sulfur.

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### 11. Toxicological information

11.1 Information on toxicological effects:

Acute toxicity: See below.

Specific symptoms in animal experiments: Oral LD50 1.2g/kg (rat) for UV dye component. Oral LD50 7.06 g/kg (rat) for ethanol component.

Irritation effects: May cause slight irritation by inhalation. May cause eye irritation. If eye irritation persists, get medical advice. If skin irritation or rash occurs: get medical advice.

Sensitization: Inconclusive data on allergic skin reaction. If skin irritation or rash occurs: get medical advice.

Subacute to chronic toxicity: No data.

Carcinogenicity, mutagenicity, teratogenicity:

NTP? No

IARC Monographs? No

OSHA Regulated? No

11.2 Other information: Overexposure may cause redness and irritation. Hyper allergic persons should exercise reasonable precautions.

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### 12. Ecological Information

12.1 Toxicity: LC50 - Pimephales promelas (fathead minnow) - 14.2 g/l - 96 hr for ethanol component.

12.2 Persistence and Degradability: no data available

12.3 Bioaccumulative Potential: no data available

12.4 Mobility in Soil: no data available

12.5 Results of PBT and vPvP Assessment: no data available

12.6 Other Adverse Effects : no data available

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### 13. Disposal considerations

13.1 Waste Treatment Methods: Dispose of contents/container in accordance with Local / national / international regulations (P501). Forms non hazardous crystalline material when allowed to dry. Disposal to licensed landfill possible if approved.

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### 14. Transport Information

14.1 UN Number: None.  
14.2 UN Proper Shipping Name: None.  
14.3 Transport Hazard Class(es): None.  
14.4 Packing Group: None.  
14.5 Environmental Hazards: None.  
14.6 Special precautions for user: None other than listed in sections 7 and 8.  
14.7 Transport in bulk according to Annex II of Marpol and the IBC Code: Not regulated goods.  
14.8 Information for each of the UN Model Regulations: None.  
IMDG/IMO: Not regulated goods  
ADR: Not regulated goods  
Air transport  
ICAO/IATA-DGR Class: UN/ID-No.: none PG:  
Technical name of material:  
Remarks: Not regulated for transport by air.

Additional information: (US) DOT: Not dangerous goods

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### 15. Regulatory Information

15.1 Safety, Health and Environmental Regulations / Legislation Specific for the Substance or Mixture:  
EC 1907/2006, 1272/2008, 830/2015

15.2 Chemical Safety Assessment : No hazardous materials at reportable levels.

Contains: Ethanol (less than 10%) (CAS-Reg.No: 64-17-5; EC-No: 200-578-6)

Hazard statement: See section 2

Precautions: See section 2

15.3 Additional information:

TSCA listed ingredients. EC listed ingredients.

The following components are subject to reporting levels established by SARA Title III section 313:  
None.

These products contain no chemical known to the State of California to cause cancer.

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### 16. Other Information

**NFPA Codes:** H: 1; F: 2; R: 0.

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The information contained herein is based on the present state of our knowledge and does not therefore guarantee certain properties. The safety data sheet only describes the products in aspect to their safety requirements. Recipients of our product must take responsibility for observing existing laws and regulations.