

# 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 Caplet II (Pill)**

Product code(s): 50060.

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:

Causes serious eye irritation (H319).

2.2 GHS Label elements (EC) 1272/2008:



Pictogram(s): "Exclamation Point" (GHS07)

Signal Word: Warning

Contains: Lignosulfonic acid, sodium salt;  
Sodium 2-[methyleoleylamino]ethane-1-sulphonate;  
2,2',4,4'-tetrahydroxybenzophenone ;  
N-(2-hydroxyethyl)dodecanamide.

Hazard Statement(s): Causes serious eye irritation (H319).

Precautionary Statement(s): Avoid breathing dust or spray (P261). Wash thoroughly after handling (P264). Wear protective gloves and eye protection (P280). If swallowed, call a poison center or physician if you feel unwell (P301+P312). Rinse mouth with water (P330). If on skin: wash with plenty of soap and water (P302+P352). If skin irritation or rash occurs: get medical advice (P333+P313). If in eyes, rinse cautiously with water for several minutes; remove contact lenses if present and easy to do; continue rinsing (P305+P351+P338). If eye irritation persists, get medical advice. (P337+P313). Dispose of contents/container in accordance with local /national / international regulations (P501).

2.3 Contains a UV absorber (less than 12%) that may produce an allergic reaction. Possible irritation of respiratory tract may occur. Cause eye and skin irritation.

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## 3. Composition / information on ingredients

3.1 Substance:

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Chemical name:  
CAS-Reg.No:  
EC-No:  
EINECS-No:  
Further information:

## 3.2 Mixture:

Description: Mix of surfactants and UV absorbers.

Chemical name: Lignosulfonic acid, sodium salt  
Synonym: No data  
CAS-Reg.No: 8061-51-6  
EC-No: 617-124-1  
EINECS-No:  
Hazard(s): Not classified.  
Concentration: 54%

Chemical name: Sodium 2-[methyloleoylamino]ethane-1-sulphonate  
Synonym: No data  
CAS-Reg.No: 137-20-2  
EC-No: 205-285-7  
EINECS-No:  
Hazard(s): Eye Irrit. 2 (H319).  
Concentration: 21%

Chemical name: 2,2',4,4'-tetrahydroxybenzophenone  
Synonym: No data  
CAS-Reg.No: 131-55-5  
EC-No: 205-028-9  
EINECS-No:  
Hazard(s): Eye Irritant 2 (H319).  
Concentration: 12%

Chemical name: N-(2-hydroxyethyl)dodecanamide  
Synonym: No data  
CAS-Reg.No: 142-78-9  
EC-No: 205-560-1  
EINECS-No: Eye damage 1 (H318).  
Concentration: 2%

Ingredients at concentrations not known to be hazardous:

Content: 65%

Further information: Other ingredients not at concentrations known to be hazardous.

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## 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 (P308+P313).

Inhalation : Avoid breathing dust or spray (P261). Move to fresh air.

Skin contact : If on skin: wash with plenty of soap and water (P302+P352). Flush exposed area well with water for at least 15 minutes. If skin irritation or rash occurs: get medical advice (P333+P313).

Eye contact : If in eyes, rinse cautiously with water for several minutes; remove contact lenses if present and easy to do; continue rinsing (P305+P351+P338). If eye irritation persists, get medical advice. (P337+P313).

Ingestion : Rinse mouth with water (P330). If swallowed, call a poison center or physician if you feel unwell (P301+P312). Show the container, safety data sheet or label.

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

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- 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:  
Causes serious eye irritation (H319). Decomposes to oxides of carbon, nitrogen and/or sulphur.
- 5.3 Advice for fire-fighters: Wear self-contained breathing apparatus with protective clothing to avoid personal contact.
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### 6. Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures: Avoid skin contact. Do not swallow. Wear impervious gloves (such as disposable latex) and splash proof chemical goggles. For major spills wear a NIOSH or CEN approved respirator.
- 6.2 Environmental precautions : Soak up all spills with inert absorbent material. Place in closed container for proper waste disposal .
- 6.3 Methods for cleaning up : Soak up all spills with inert absorbent material. Place in closed container for proper waste disposal
- 6.4 Reference to other sections : See Section 4 and 5.2
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### 7. Handling and storage

- 7.1 Precautions for Safe Handling: Wear protective gloves (P 280). Use personal protective equipment as required (P281). Avoid breathing dust or spray (P261). Keep out of reach of children. Use only with appropriate equipment. Do not use a hot plate or open flame. Avoid eye and skin contact.
- 7.2 Conditions for Safe Storage, including any incompatibilities:  
Stable on storage under normal conditions. Avoid oxidizing and reducing agents, strong acids and 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: Contains no substances at concentrations with exposure limit values.
- 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 (P280). Wear suitable impervious gloves (such as disposable latex).
- Eye / face protection : Wear eye protection (P280).Chemical resistant safety goggles are

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Skin protection : strongly recommended.  
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: Off white solid

Odour: Slight odor

Changes in physical state

Boiling point/Boiling range (°C) : No data

Melting point/Freezing temperature (°C): No Data

Flash point (°C) : no data available

Ignition temperature (°C) : no data available

Autoignition : no data available

Explosion hazard : no data available

Explosion limits (Vol.-%) : lower: N/D upper: N/D

Vapour pressure (mbar) : no data available

Vapor density (g/cm<sup>3</sup>) : no data available

Bulk density (kg/m<sup>3</sup>) : >1000 kg/m<sup>3</sup>

Solubility in water : dispersible

Solubility in other solvents : no data available

pH-value : 7-8 in water dispersion

Viscosity : no data available

9.2 Other safety information: no data available :

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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 : None Known

10.5 Incompatible materials : Avoid oxidizing and reducing agents, strong acids and strong bases.

10.6 Hazardous decomposition products : Decomposes to oxides of carbon, nitrogen and/or sulphur.

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## 11. Toxicological information

### 11.1 Information on toxicological effects:

Acute toxicity: May be harmful by ingestion. See below.

Specific symptoms in animal experiments: Oral LD50 6.03g/kg (mouse) for Lignosulfonic acid, sodium salt component. Oral LD50 1.2g/kg (rat) for benzophenone component.

Irritation effects: May cause slight irritation by inhalation. Causes serious eye irritation (H319). If eye irritation persists, get medical advice (P337+P313). If skin irritation or rash occurs: get medical advice (P333+P313).

Sensitization: Inconclusive data on allergic skin reaction. If skin irritation or rash occurs: get medical advice (P333+P313).

Subacute to chronic toxicity: No data.

Carcinogenicity, mutagenicity, teratogenicity:

NTP? No

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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-Oncorhynchus mykiss (rainbow trout)-7,300 mg/l-48 h for Lignosulfonic acid, sodium salt 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).

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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 : Warning! ; "Exclamation Point" (GHS07).

Contains: N-(2-hydroxyethyl)dodecanamide;  
Sodium 2-(methyloleoylamino) ethane-1-sulphonate;  
Lignosulfonic acid, sodium salt  
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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: 1; 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.