

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 Solar Clear**

Product codes: 37687, 37688.

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. 74th 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)

2. Hazards identification

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

Causes skin irritation (H315)

Causes serious eye irritation (H319).

2.2 GHS Label elements (EC) 1272/2008:



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

Signal Word: Warning.

Contains: Sodium 2-[methyleoleoylamino]ethane-1-sulphonate;
2,2',4,4'-tetrahydroxybenzophenone

Hazard Statement(s): Causes skin irritation (H315)
Causes serious eye irritation (H319).

Precautionary Statement(s): Wash thoroughly after handling (P264). Wear protective gloves and eye protection (P280). If on skin: wash with plenty of soap and water (P302+P352). If skin irritation occurs, get medical advice (P332+P313). Take off contaminated clothing and wash before reuse (P362). 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 5%) that may produce an allergic reaction. Possible irritation of skin, eyes or respiratory tract may occur. Flash point of mixture over 60C.

3. Composition / information on ingredients

3.1 Substance:

Chemical name:

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CAS-Reg.No:

EC-No:

EINECS-No:

Further information:

3.2 Mixture:

Description: Mix of benzophone UV absorbers with surfactants and water.

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 Irritant 2 (H319).

Concentration: 9%

Chemical name: 2,2',4,4'-tetrahydroxybenzophenone

Synonym: No data

CAS-Reg.No: 131-55-5

EC-No: 205-028-9

EINECS-No: Eye Irritant 2 (H319); Skin Irritant 2 (H315).

Concentration: 5%

Ingredients at concentrations not known to be hazardous:

Content: 86%

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

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 (P308+P313).

Inhalation : 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 : If swallowed, call a poison center or physician if you feel unwell (P301+P312). Rinse mouth with water (P330). 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 .

5. Fire-fighting measures

5.1 Extinguishing media: Water Spray, dry chemical, carbon dioxide.

Unsuitable extinguishing media: No data

5.2 Special hazards arising from the substance or mixture:

Causes skin irritation (H315). Causes serious eye irritation (H319). Decomposing may produce oxides of carbon, nitrogen, and/or sulfur.

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5.3 Advice for fire-fighters: Wear self-contained breathing apparatus with protective clothing to avoid personal contact.

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. Wash thoroughly after handling (P264).
- 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: 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 and protective chemical glasses. (P 280). Wash thoroughly after handling (P264). Keep out of reach of children. Use only with appropriate equipment. 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 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: 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 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: No odor
- Changes in physical state
- Boiling point/Boiling range (°C) : no data
- Melting point/Freezing temperature (°C): no data
- Flash point (°C) : no data

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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
Vapor density (g/cm ³)	:	N/D
Bulk density (kg/m ³)	:	~1000 kg/m ³
Solubility in water	:	Soluble
Solubility in other solvents	:	no data available
pH-value	:	no data
Viscosity	:	no data available
9.2 Other safety information	:	no data available

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. Hazardous polymerization will not occur. Under fire conditions may evolve toxic oxides of carbon.
10.4 Conditions to avoid	:	Avoid open flames, ignition sources 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.

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 1.2g/kg (rat) for benzophenone component.
Irritation effects:	May cause slight irritation by inhalation. Causes skin irritation (H315). 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

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:	no data available.
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

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12.6 Other Adverse Effects : no data available

13. Disposal considerations

13.1 Waste Treatment Methods: Dispose of contents/container in accordance with Local / national / international regulations (P501).

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

15. Regulatory Information

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

15.2 Chemical Safety Assessment : Warning! ; "Exclamation Point" (GHS07).

Contains: Sodium 2-(methyleoylamino) ethane-1-sulphonate;
2,2',4,4'-tetrahydroxybenzophenone

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:
Glycol Ethers (26%).

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

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.