

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 Clarifier**

Product codes: 37711. 37712.

1.2 Relevant Identified Uses of the substance or mixture and uses advised against:
Use: Remove yellow color from some lenses after UV treatment.
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):

Harmful in contact with skin (H312).
Harmful if swallowed (H302).

2.2 GHS Label elements (EC) 1272/2008:



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

Signal Word: Warning

Contains: Oxalic Acid

Hazard Statement(s): Harmful in contact with skin (H312).
Harmful if swallowed (H302).

Precautionary Statement(s): Wash thoroughly after handling (P264). Do not eat, drink or smoke when using this product (P270). 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). Wash contaminated clothing before reuse (P363). Dispose of contents/container in accordance with local / national / international regulations (P501).

2.3 May cause slight irritation by inhalation. May cause eye irritation.

3. Composition / information on ingredients

3.1 Substance:
Chemical name:
CAS-Reg.No:

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EC-No:

EINECS-No:

Further information:

3.2 Mixture:

Description: Mix of Oxalic Acid and surfactant.

Chemical name: Oxalic Acid

Synonym: No data

CAS-Reg.No: 144-62-7

EC-No: 205-634-3

EINECS-No: 607-006-00-8

Hazards: Acute Tox 4; Harmful in contact with skin (H312);Harmful if swallowed (H302).

Concentration: 99%

Ingredients at concentrations not known to be hazardous:

Content: 1%

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

4. First-aid measures

4.1 Description of first aid measures

General Advice : Keep out of reach of children. Wash thoroughly after handling (P264)

Inhalation : Move to fresh air.

Skin contact : If on skin: wash with plenty of soap and water (P302+P352).

Eye contact : May cause eye irritation.. 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. (P305+PP351+P338+P337+P313)

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

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:

Harmful in contact with skin (H312). Emits oxides of carbon under fire conditions.

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

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- chemical goggles. For major spills wear a NIOSH or CEN approved respirator.
- 6.2 Environmental precautions : Place spills in a closed container for proper waste disposal.
- 6.3 Methods and materials for containment and cleaning up: Dispose of contents/container in accordance with local / national / international regulations (P501).
- 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). Do not eat, drink or smoke when using this product (P270). 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. Hygroscopic. Avoid metals and alkali metals.
- 7.3 Specific End Use: Remove yellow color from some lenses after UV treatment.
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8. Exposure controls and personal protection

- 8.1 Control parameters: ACGIH TWA Do not exceed 1mg/m³ in air.
- 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 and dust.
- 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: White solid particles
- Odour: No odor
- Changes in physical state
- Boiling point/Boiling range (°C) : no data
- Melting point/Freezing temperature (°C): 189°C
- Flash point (°C) : no data
- 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) : >0.1
- Vapor density (g/cm³) : N/D
- Bulk density (kg/m³) : 1900 kg/m³
- Solubility in water : 108 g/L; Soluble
- Solubility in other solvents : no data available

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pH-value	:	1.3 in water
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 moisture. Hygroscopic.
10.5 Incompatible materials	:	Metals, Alkali metals.
10.6 Hazardous decomposition products	:	Decomposes to oxides of carbon.

11. Toxicological information

11.1 Information on toxicological effects:

Acute toxicity:	Harmful if swallowed (H302).
Specific symptoms in animal experiments:	Oral LD50 1.08 g/kg (rat).
Irritation effects:	May cause slight irritation by inhalation. Harmful in contact with skin (H312). May cause eye irritation.
Sensitization:	No data.
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.

12. Ecological Information

12.1 Toxicity:	LC50 Leuciscus idus melanotus 160 mg/L 48 h
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

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:	3261
14.2 UN Proper Shipping Name:	Corrosive solid, acidic, organic, n.o.s. (Oxalic Acid)
14.3 Transport Hazard Class(es):	8

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14.4 Packing Group: III
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: See above.
14.8 Information for each of the
UN Model Regulations: See above.
IMDG/IMO: Not regulated goods
ADR: Not regulated goods
Air transport
ICAO/IATA-DGR Class: 8 UN/ID-No.: 3261 PG: III
Technical name of material: Corrosive solid, acidic, organic, n.o.s. (Oxalic Acid)
Remarks: Limited quantity shipping possible.

Additional information: (US) DOT: Not dangerous goods, but see above.

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: Oxalic Acid (CAS No.: 144-62-7; EC No. 205-634-3)

Hazard statement: See section 2

Precautions: See section 2

15.3 Additional information:

TSCA listed ingredients. EC listed ingredients.

No components are subject to reporting levels established by SARA Title III section 313.

This product contains no chemical known to the State of California to cause cancer.

16. Other Information

16.1 NFPA Codes: H: 2; F: 0; R: 0.

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.