

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. Product and company identification

1.1 Product name: **BPI PolyClear™**

Product codes: 41210, 41200.

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

Use: To remove tints from plastic sunglass 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:

Not applicable.

2.2 GHS Label elements (EC) 1272/2008:

Pictogram(s): Not applicable.

Signal Word: Not applicable.

Hazard Statement(s): Not applicable

Precautionary Statement(s): Not applicable

2.3 May cause mild eye, respiratory system or skin irritation. Ingestion toxicity not well documented. Avoid personal contact.

3. Composition / information on ingredients

3.1 Substance:

Chemical name:

CAS-Reg.No:

EC-No:

EINECS-No:

Further information:

3.2 Mixture:

Description: Mixture of glycols.

Chemical name:

Synonym:

CAS-Reg.No:

EC-No:

EINECS-No:

Concentration:

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Further information: Flash Point of mixture greater than 60C.
Ingredients at concentrations not known to be hazardous:
Content: 100%

4. First-aid measures

4.1 Description of first aid measures

General Advice : If exposed or concerned, get medical advice/attention (P308+P313). Show this safety data sheet to the doctor.

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 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). 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 fog, dry chemical, carbon dioxide, foam.
Unsuitable extinguishing media: No data

5.2 Special hazards arising from the substance or mixture:

Decomposing may produce propionaldehyde, ketones and oxides of carbon.

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

6. Accidental release measures

6.1 Personal precautions: Avoid eye or skin contact. Do not swallow. Wear impervious gloves (such as disposable latex) and splash-proof chemical goggles. For major spills wear an approved respirator for organic vapors.

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

7. Handling and storage

7.1 Precautions for Safe Handling: Use only with appropriate equipment. 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 strong oxidizing agents.

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7.3 Specific End Use: To remove tints from plastic sunglass lenses.

8. Exposure controls and personal protection

8.1 Control parameters: OSHA TWA 10 mg/m³.
8.2 Exposure control: Handle in accordance with good industrial hygiene and safety practices. Avoid all personal contact. Avoid ignition sources. 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.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance:

Colour: Slightly colored liquid, nearly clear.
Odour: None
Changes in physical state
Boiling point/Boiling range (°C) : 188C
Melting point (°C) : -60C
Freezing temperature (°C) : -60C
Flash point (°C) : 103C
Ignition temperature (°C) : no data
Autoignition : no data
Explosion hazard : no data
Flammability/Explosive limits (Vol.-%) : lower: 2.6% upper: 12.5%
Vapour pressure (mbar) : 0.3
Vapor density (g/cm³) : no data
Bulk density (kg/m³) : 1036
Solubility in water : Soluble
Solubility in other solvents : no data
pH-value : no data
Viscosity : no data

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

10. Stability and reactivity

10.1 Reactivity : Hazardous polymerization will not occur.
10.2 Chemical Stability : Stable on storage under normal conditions.
10.3 Possible Hazardous Reactions : None Known
10.4 Conditions to avoid : Avoid excessive heat, ignition sources, open flame, or hot plate as a precaution.
10.5 Incompatible materials : Avoid strong oxidizing agents, acid chlorides, acid anhydrides, chloroformates, reducing agents.
10.6 Hazardous decomposition products : Decomposing may produce propionaldehyde, ketones and oxides of carbon.

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11. Toxicological information

11.1 Information on toxicological effects:

Acute toxicity: See below

Specific symptoms in animal experiments: Oral LD50 =20g/kg (rat).
Irritation effects: Eye, respiratory, gastrointestinal and skin contact may cause redness and mild 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 Ecotoxicity: LC50 - Pimephales promelas (fathead minnow) – 52.9 g/l - 96 hr.
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).

14. Transport Information

14.1 UN Number: None.
14.2 UN Proper Shipping Name: None.
14.3 Transport Hazard Class(es): None.
14.4 Packaging 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

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15.1 Safety, Health and Environmental Regulations / Legislation Specific for the Mixture:
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15.2 Chemical Safety Assessment: Not Applicable

Contains: Not Applicable

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, birth defects or other reproductive harm.

16. Other Information

NEPA Codes: H: 0; F: 1; 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.