

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 Polycarbonate Energizer™**

Product code(s): 41100.

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

Use: Enhanced dye carrier for polycarbonate.

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):

Wear protective gloves and eye protection (P 280). If on skin: wash with plenty of soap and water (P302+P352). 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).

2.3 May cause eye or skin irritation. Flash point of mixture over 60C.

3. Composition / information on ingredients

3.1 Substance:

Chemical name:

CAS-Reg.No:

EC-No:

EINECS-No:

Further information:

3.2 Mixture:

Description: Glycol Ether dye carriers in water and ethanol with surfactants.

Chemical name: Ethanol

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Synonym: Ethyl alcohol
CAS-Reg.No: 64-17-5
EC-No: 200-578-6
EINECS-No: 603-002-00-5
Concentration: less than 10%

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 oxides of carbon, nitrogen, and/or sulfur.

5.3 Advice for fire-fighters:

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

6. Accidental release measures

6.1 Personal precautions : Disconnect all ignition sources. 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

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- 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: Enhanced dye carrier for polycarbonate.
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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. 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.
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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
- 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 Possible Hazardous Reactions : None Known

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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.

11. Toxicological information

11.1 Information on toxicological effects:

Acute toxicity:	No data
Specific symptoms in animal experiments:	Oral LD50 7.06 g/kg (rat) for ethanol component.
Irritation effects:	May cause eye irritation. If eye irritation persists, get medical advice (P337+P313).
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) - 14.2 g/l - 96 hr for ethanol component.
12.2 Persistence and Degradability:	95 % - Readily biodegradable for ethanol component.
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

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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 : Not Applicable
Contains: Ethanol (less than 10%)

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:
Methanol (less than 1%).

Warning: These products contain a chemical (Methanol - less than 1%) known to the State of California to cause birth defects or other reproductive harm.

16. Other Information

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