

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 Mark Off Plus**

Product code(s): 71027.

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

Use: Remove markings from 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):

Highly flammable liquid and vapor (H225)

Causes serious eye irritation (H319)

May cause drowsiness or dizziness (H336).

2.2 GHS Label elements (EC) 1272/2008:



Pictogram(s): “Flame” (GHS02)



“Exclamation Point” (GHS07)

Signal Word: Danger

Contains: Ethanol
Isopropyl alcohol

Hazard Statement(s): Highly flammable liquid and vapor (H225)
Causes serious eye irritation (H319)
May cause drowsiness or dizziness (H336).

Precautionary Statement(s): Keep away from heat/sparks/open flames/hot surfaces – No smoking (P 210). Use only in a well ventilated area (P 271). Wear protective gloves (latex) and eye protection (splash proof chemical goggles) (P 280). Avoid electrical equipment (P 241). Use only non-sparking tools (P242). Take precautionary measures against static discharge (P 243). ; Store in a well ventilated place; Keep cool (P403 +P 235). Store locked up (P405). Avoid breathing vapors (P261). Wash thoroughly after handling (P264). Use only in well ventilated areas (P271). Take off contaminated clothing and wash before reuse (P362). Wear protective gloves (latex) and eye protection (splash proof chemical goggles) (P 280). If on skin: remove all contaminated clothing; rinse skin with water (P303+P361+P353). If exposed or concerned, get medical advice/attention (P308+313). 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). If inhaled, remove

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victim to fresh air and keep at rest in a position comfortable for breathing (P304+P340). Call a poison center or physician if you feel unwell (P312). In case of fire, use water fog, dry chemical, carbon dioxide, or alcohol type foam for extinction (P 370+P 378). Keep container tightly closed (P 233). Store locked up (P405). Dispose of contents/container in accordance with local / national / international regulations (P501).

2.3 Highly flammable; Irritating to eyes; Vapors may cause drowsiness and dizziness.

3. Composition / information on ingredients

3.1 Substance:

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

3.2 Mixture:

Description: Mix of alcohols with a thickening agent.

Chemical name: Ethanol
Synonym: Ethyl alcohol
CAS-Reg.No: 64-17-5
EC-No: 200-578-6
EINECS-No: 603-002-00-5
Hazards: Flam. Liq. 2 (H225).
Concentration: 45%

Chemical name: Methanol
Synonym: not available
CAS-Reg.No: 67-56-1
EC-No: 200-659-6
EINECS-No: 603-001-00-X
Hazards: Acute Tox. 3 (H311); Flam. Liq. 2 (H225).
Concentration: less than 2%

Chemical name: Propan-2-ol
Synonym: Isopropyl alcohol
CAS-Reg.No: 67-63-0
EC-No: 200-661-7
EINECS-No: 603-117-00-0
Hazards: Flam. Liq. 2 (H225); Eye Irrit. 2 (H319); STOT SE 3 (H336).
Concentration: 50%

Ingredients at concentrations not known to be hazardous:

Content: 3%

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

4. First-aid measures

4.1 Description of first aid measures

General Advice : Call a Poison Control Center or doctor if you feel unwell (P312).
In case of accident or if you feel unwell seek medical advice immediately.
Show this safety data sheet to the doctor.

Inhalation : Avoid breathing vapors (P261). If inhaled, remove victim to fresh air and keep at rest in a position comfortable for breathing (P304+P340).

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- Skin contact : If on skin: remove all contaminated clothing; rinse skin with water (P303+P361+P353).
- 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 : Call a poison center or physician if you feel unwell (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 .
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5. Fire-fighting measures

- 5.1 Extinguishing media: In case of fire, use water fog, dry chemical, carbon dioxide, or alcohol type foam for extinction (P 370+P 378).
- Unsuitable extinguishing media: No data
- 5.2 Special hazards arising from the substance or mixture:
Causes serious eye irritation (H319) ; May cause drowsiness or dizziness (H336). Avoid breathing vapors (P261). Decomposes to oxides of carbon and nitrogen.
- 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 breathing vapors (P261). Wear protective gloves (latex) and eye protection (splash proof chemical goggles) (P280). 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 and materials for containment and cleaning up:
Soak up all spills with inert absorbent material. Place in closed container for proper waste disposal. Dispose of container/contents in accordance with local/regional/national 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: Use only in a well ventilated area (P 271). Wear protective gloves (latex) and eye protection (splash proof chemical goggles) (P 280). Avoid breathing vapors (P261). Wash thoroughly after handling (P264). Keep away from heat/sparks/open flames/hot surfaces – No smoking (P 210). Use explosion proof electrical equipment (P 241). Use only non-sparking tools (P242). Take precautionary measures against static discharge (P 243). Avoid eye and skin contact.
- 7.2 Conditions for Safe Storage: Stable on storage under normal conditions. Avoid oxidizing and reducing agents, strong acids and bases. Store in a well ventilated place; Keep container tightly closed; Keep cool (P403+P233+P 235). Store locked up (P405).
- 7.3 Specific End Use: Remove markings from plastic eyeglass lenses.
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8. Exposure controls and personal protection

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8.1 Control parameters: OSHA TWA 1,900 mg/m³ for ethanol component. Maintain air concentration below 200ppm.

8.2 Exposure control: Handle in accordance with good industrial hygiene and safety practices. Avoid all personal contact. Avoid breathing vapors (P261). Keep away from heat/sparks/open flames/hot surfaces – No smoking (P 210). 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:

Color: Clear liquid

Odor: Alcohol/fragrant odor

Changes in physical state

Boiling point/Boiling range (°C) : > 65°C (149F)

Melting point/Freezing temperature (°C): no data available

Flash point (°C) : >12°C (54F) (PMCC)

Ignition temperature (°C) : no data available

Autoignition : no data available

Explosion hazard : no data available

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

Vapour pressure (mbar) : no data available

Vapor density (g/cm³) : no data available

Bulk density (kg/m³) : ~800

Solubility in water : Miscible

Solubility in other solvents : no data available

pH-value : no data available

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

10.4 Conditions to avoid : Avoid ignition sources.

10.5 Incompatible materials : Avoid oxidizing and reducing agents.

10.6 Hazardous decomposition products : Decomposes to oxides of carbon and nitrogen.

11. Toxicological information

11.1 Information on toxicological effects:

Acute toxicity: No data

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Specific symptoms in animal experiments: Oral LD50 7.06 g/kg (rat) for ethanol component.
Oral LD50 5 g/kg (rat) for propan-2-ol component.
Irritation effects: Causes serious eye irritation (H319). 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 Toxicity: 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: 1987
14.2 UN Proper Shipping Name: Alcohols, n.o.s.
14.3 Transport Hazard Class(es): 3
14.4 Packing Group: II
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: See above
ADR: See above
Air transport
ICAO/IATA-DGR Class: 3 UN/ID-No 1987 PG: II
Technical name of material: Alcohols, n.o.s.
Remarks: Can be shipped limited quantity.

Additional information: (US) DOT: See above – flammable liquid

15. Regulatory Information

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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 :

Contains:

Danger! ; "Flame" (GHS02). "Exclamation Point" (GHS07).

Ethanol (CAS. No. 64-17-5; EC No. 200-578-6)

Propan-2-ol (CAS No. 67-63-0; EC No. 200-661-7)

Methanol (CAS No. 67-56-1; EC No. 200-659-6) (less than 3%)

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.

Warning: This product contains a chemical (Methanol) known to the State of California to cause birth defects or other reproductive harm.

16. Other Information

NFPA Codes: H: 1; F: 4; 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.