

# 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

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## 1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier(s): **BPI Mark Off**

Product code(s): 71025.

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. 74<sup>th</sup> 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)

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## 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)

May cause respiratory irritation (H335)

May damage the unborn child (H360D).

2.2 GHS Label elements (EC) 1272/2008:



Pictogram(s): “Health Hazard” (GHS08)



“Exclamation Point” (GHS07)

Signal Word: Danger.

Contains: N-Methyl-2-Pyrrolidone

Hazard Statement(s): Causes skin irritation (H315)  
Causes serious eye irritation (H319)  
May cause respiratory irritation (H335)  
May damage the unborn child (H360D).  
Candidate List of Substances of Very High Concern (SVHC)

Precautionary Statement(s): Obtain special instructions before use (P 201). Do not handle until safety precautions have been read and understood (P 202). 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). Use personal protective equipment as required (P281). If on skin: wash with plenty of soap and water (P302+P352). If exposed or concerned, get medical advice/attention (P308+313). If skin irritation occurs: get medical advice (P332+P313). 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). Store in a well ventilated place; keep container tightly closed (P403+P233). Store locked up (P405). Dispose of contents/container in accordance with local / national / international regulations (P501).

- 2.3 Irritating to eyes, respiratory system and skin. Repeated exposure causes severe skin irritation. Oral LD50 = 3.9g/kg (oral rat).
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### 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 N-Methyl-2-Pyrrolidone with a thickening agent.

Chemical name: N-Methyl-2-Pyrrolidone  
Synonym: 1-Methyl-2- Pyrrolidone  
CAS-Reg.No: 872-50-4  
EC-No: 212-828-1  
EINECS-No: 606-021-00-7  
Hazards: Skin Irrit. 2 (H315); Eye Irrit. 2 (H319); STOT SE 3 (H335); Repr. 1B (H360D).  
Concentration: 97%

Ingredients at concentrations not known to be hazardous:

Content: 3%

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

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### 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 : If inhaled, remove victim to fresh air and keep at rest in a position comfortable for breathing (P304+P340).
- 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 (P332+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). Flush exposed area well with water for at least 15 minutes. 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: Water fog, dry chemical, carbon dioxide, foam.

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Unsuitable extinguishing media: No data

5.2 Special hazards arising from the substance or mixture:

Causes skin irritation (H315). Causes serious eye irritation (H319). 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). Use personal protective equipment as required (P281). Wear protective gloves (latex) and eye protection (splash proof chemical goggles) (P280). For major spills wear a NIOSH or CEN approved respirator. Take off contaminated clothing and wash before reuse (P362).

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:

Obtain special instructions before use (P 201). Do not handle until safety precautions have been read and understood (P 202). Wear protective gloves (latex) and eye protection (splash proof chemical goggles) (P 280). Use personal protective equipment as required (P281). Avoid breathing vapors (P261). Wash thoroughly after handling (P264). 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. Store in a well ventilated place. Keep container tightly closed (P403+P233). 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

8.1 Control parameters:

WEEL TWA 10.0 PPM or 40.0 mg/m3.

8.2 Exposure control:

Handle in accordance with good industrial hygiene and safety practices. Avoid all personal contact. Wear appropriate safety equipment. Wash thoroughly after handling (P264).

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:	
Color:	Clear liquid
Odor:	Slight amine odor
Changes in physical state	
Boiling point/Boiling range (°C) :	> 202°C (396F)
Melting point/Freezing temperature (°C):	-24.4°C (-12 F)
Flash point (°C) :	92.7°C (199F)
Ignition temperature (°C) :	no data available
Autoignition :	no data available
Explosion hazard :	see limits below
Flammability/Explosion limits (Vol.-%) :	lower: 1.3% upper: 9.5%
Vapour pressure (mbar) :	0.38
Vapor density (g/cm3) :	0.004
Bulk density (kg/m3) :	1030
Solubility in water :	Miscible
Solubility in other solvents :	no data available
pH-value :	7-8
Viscosity :	no data available
9.2 Other safety information :	no data available

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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 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.

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## 11. Toxicological information

### 11.1 Information on toxicological effects:

Acute toxicity:	Possibly harmful if swallowed.
Specific symptoms in animal experiments:	Oral LD50 3.9g/kg (rat).
Irritation effects:	Causes skin irritation (H315). Causes serious eye irritation (H319). May cause respiratory irritation (H335)
Sensitization:	No data.
Subacute to chronic toxicity:	May damage the unborn child (H360D).

Carcinogenicity, mutagenicity, teratogenicity:

NTP? No  
IARC Monographs? No  
OSHA Regulated? No

11.2 Other information: Overexposure may cause redness and irritation.

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## 12. Ecological Information

12.1 Toxicity: LC-50 other fish 4 g/L

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12.2 Persistence and Degradability:	Result 90% - readily biodegradable.
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

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### 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: 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

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### 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 : Danger! ; "Health Hazard" (GHS08) and "Exclamation Point" (GHS07).  
Contains: N-Methyl-2-Pyrrolidone  
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:  
N-Methyl-2-Pyrrolidone.

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Warning: California permissible exposure limits for chemical contaminants (N-Methyl-2-Pyrrolidone) 4mg/m3.  
Warning: This product contains a chemical (N-Methylpyrrolidone) known to the State of California to cause birth defects or other reproductive harm.

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### **16. Other Information**

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