

# 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 Edge Polish Stick**

Product codes: 67702, 67703

1.2 Product Use: Assist in polishing plastic eyeglass lenses.

1.3 Company: Brain Power Inc.; 4470 S.W. 74<sup>th</sup> Ave.; Miami, Florida ; USA 33155.

1.4 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):

May cause respiratory irritation (H335).

2.2 GHS Label elements (EC) 1272/2008:



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

Signal Word: Warning

Contains: Aluminum oxide

Hazard Statement(s): May cause respiratory irritation (H335).

Precautionary Statement(s): Avoid breathing dust (P 261). Use only outdoors or in a well ventilated area (P 271). If inhaled: remove victim to fresh air and keep at rest in a position comfortable for breathing (P304 + 340). Call a doctor if you feel unwell (P312). Store in a well ventilated place. Keep container tightly closed (P403+233). Store locked up (P405). Dispose of contents/container in accordance with local / national / international regulations (P501).

2.3 May cause eye and skin irritation.

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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: Aluminum oxides bonded with fats and waxes.

Chemical name: Aluminum oxide

Synonym: Alumina ; corundum

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CAS-Reg.No: 1344-28-1

EC-No: 215-691-6

EINECS-No:

Hazards: STOT SE 3 - May cause respiratory irritation (H335).

Concentration: more than 10%

Ingredients at concentrations not known to be hazardous:

Content: less than 90%

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 : Keep out of reach of children. Wash thoroughly after handling (P264). If exposed or concerned, get medical advice/attention (P308+P313).
- Inhalation : May cause respiratory irritation (H335). Avoid breathing dust (P261). If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing (P304-340). Call a doctor if you feel unwell.
- 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.
- 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 : Rinse mouth thoroughly. Seek medical advice and 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). Contains aluminum oxide. Irritant. In case of shortness of breath, give oxygen. Keep victim warm. Keep victim under observation. Symptoms may be delayed.

### 4.3 Indications of any immediate medical attention and special treatment needed

See section 2.2 . In case of shortness of breath, give oxygen.

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## 5. Fire-fighting measures

5.1 Extinguishing media: Non combustible by OSHA standards. Use water spray, dry powder or carbon dioxide if material is in a fire.

Unsuitable extinguishing media: No data

### 5.2 Special hazards arising from the substance or mixture:

May cause respiratory irritation (H335). Decomposes to oxides of aluminum and carbon.

### 5.3 Advice for fire-fighters:

Wear self-contained breathing apparatus with protective clothing to avoid personal contact. Do not breathe fumes produced under fire conditions.

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## 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 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..

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- 6.3 Methods and materials for containment and cleaning up: Place spills in a 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: Wear protective gloves and protective chemical /safety glasses (P 280). Wash thoroughly after handling (P264). Avoid breathing dust (P261). Use only outdoors or in a well ventilated area (P 271). Keep out of reach of children. Use only with appropriate equipment. Avoid eye and skin contact. Use breathing protection such as respirator for dust protection in dusty conditions.
- 7.2 Conditions for Safe Storage, including any incompatibilities: Stable on storage under normal conditions. Store in a well ventilated place. Keep container tightly closed (P403-233). Store locked up (P405).
- 7.3 Specific End Use: Assist in polishing plastic eyeglass lenses.
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## 8. Exposure controls and personal protection

- 8.1 Control parameters: TWA 1 mg/m3 and PEL 5 mg/m3 for alumina component.
- 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 inorganic chemicals and dust. Avoid breathing dust (P261). 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. Avoid all eye contact.
- 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: Yellow waxy solid
- Odour: characteristic
- Changes in physical state
- Boiling point/Boiling range (°C) : > 100°C
- Melting point/Freezing temperature (°C): >40°C
- Flash point (°C) : >100°C
- 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) : no data available
- Vapor density (g/cm3) : N/D
- Bulk density (kg/m3) : 1300 kg/m3
- Solubility in water : not soluble

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Solubility in other solvents	:	no data available	
pH-value	:	N/D	
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. Under fire conditions do not breathe fumes.
10.4 Conditions to avoid	:	None Known. Under fire conditions do not breathe fumes.
10.5 Incompatible materials	:	Avoid strong acids.
10.6 Hazardous decomposition products	:	Decomposes to oxides of aluminum and carbon.

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## 11. Toxicological information

### 11.1 Information on toxicological effects:

Acute toxicity: Aluminum oxide : acute inhalation LC50>1000 mg/l - 4 hours.

Specific symptoms in animal experiments: Aluminum oxide oral LD50 >5g/kg (rat).  
Irritation effects: May cause respiratory irritation (H335). Avoid breathing dust (P261). If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing (P304-340). Call a doctor if you feel unwell. .May causes eye irritation. If eye irritation persists, get medical advice. (P337+P313). If skin irritation: get medical advice.

Sensitization: No data.

Subacute to chronic toxicity: May aggravate existing skin condition.

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:	for aluminum oxide, LC50 salmonidae > 100 mg/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 Assessmant:	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.

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- 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 : Warning! ; "Exclamation Point" (GHS07).

Contains: Aluminum oxide (CAS No.: 1344-28-1; EC Index No. 215-691-6)

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:  
Aluminum oxide.

This products contain no chemical known to the State of California to cause cancer.

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### 16. Other Information

**NFPA Codes:** H 1; F: 0; 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.