

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 Lens Gard A/R™**

Product code(s): 50701, 50703, 50704, 50707.

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

Use: To reduce scratching of plastic 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):

This product is not classified as hazardous according to Regulation EC 1272/2008 (CLP).

2.2 GHS Label elements (EC) 1272/2008:

Pictogram(s): Not applicable.

Signal Word: Not applicable.

Contains: Methyl(propylhydroxide, ethoxylated) bis(trimethylsiloxy) silane

Hazard Statement(s): Not applicable.

Precautionary Statement(s): Avoid breathing spray. Wash thoroughly after handling. Wear protective gloves and eye protection. If swallowed, call a poison center or physician if you feel unwell. If on skin: wash with plenty of soap and water. If skin irritation or rash occurs: get medical advice. If in eyes, rinse cautiously with water for several minutes; remove contact lenses if present and easy to do; continue rinsing. If eye irritation persists, get medical advice. Dispose of contents/container in accordance with local / national / international regulations.

2.3 May cause eye and skin irritation. Flash point > 68 C.

3. Composition / information on ingredients

3.1 Substance:

Chemical name:

CAS-Reg.No:

EC-No:

EINECS-No:

Further information:

3.2 Mixture:

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Description: Mix of silanes and surfactants in water.

Chemical name: Methyl(propylhydroxide, ethoxylated) bis(trimethylsiloxy) silane

Synonym: 1,1,1,3,5,5,5-Heptamethyl-3-(propyl(poly(EO))hydroxy) Trisiloxane

CAS-Reg.No: 67674-67-3

EC-No: 614-100-2

EINECS-No:

Hazards: Eye damage 1 (H318); Acute Tox 4 (H332); Aquatic Chronic 2 (H411).

Concentration: less than 0.5%

Ingredients at concentrations not known to be hazardous:

Content: 100%

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

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 : 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:

May cause eye irritation. Decomposes to give oxides of carbon and nitrogen, and/or silicon.

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

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. Wash thoroughly after handling.

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:

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6.4 Reference to other sections : Soak up all spills with inert absorbent material. Place in closed container for proper waste disposal.
See Section 4 and 5.2

7. Handling and storage

7.1 Precautions for Safe Handling: Wear eye protection. Wash thoroughly after handling. Avoid eye and skin contact.

7.2 Conditions for Safe Storage, including any incompatibilities:
Stable on storage under normal conditions. Avoid strong oxidizing and reducing agents, strong acids and strong bases.

7.3 Specific End Use: To reduce scratching of plastic lenses.

8. Exposure controls and personal protection

8.1 Control parameters: Contains no substances at concentrations with exposure limit values.

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 organic chemicals. Ventilation: Local mechanical exhaust is recommended.
Hand protection : 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 turbid liquid

Odour: Slight odor

Changes in physical state

Boiling point/Boiling range (°C) : > 100° C

Melting point (°C) : < 0° C

Freezing temperature (°C) : < 0° C

Flash point (°C) : no data

Ignition temperature (°C) : no data

Autoignition : no data

Explosion hazard : None known

Explosion limits (Vol.-%) : lower: n/a upper: n/a

Vapour pressure (mbar) : Due to water

Vapor density (g/cm³) : Due to water

Bulk density (kg/m³) : ~1000

Solubility in water : Miscible

Solubility in other solvents : no data

pH-value : no data

Viscosity : no data available

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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 : None Known
10.5 Incompatible materials : Avoid strong oxidizing and reducing agents, strong acids and strong bases.
10.6 Hazardous decomposition products : Decomposes to give oxides of carbon and nitrogen, and/or silicon.

11. Toxicological information

11.1 Information on toxicological effects:

Acute toxicity: Possibly harmful if swallowed.

Specific symptoms in animal experiments: Oral LD50 3.3 g/kg (oral rat) is typical for silane component.

Irritation effects: May cause slight irritation by inhalation. May cause eye and skin irritation. If eye irritation persists, get medical advice. (P337+P313). If skin irritation or rash occurs: get medical advice (P333+P313).

Sensitization: Overexposure may cause redness and irritation.

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: no data available

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 Packing Group: None.

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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

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 : No components at hazardous levels.

Contains: Methyl(propylhydroxide, ethoxylated)
bis(trimethylsiloxy) silane

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.

This product contains no chemical known to the State of California to cause cancer.

16. Other Information

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