

Brain Power Inc.

Safety Data Sheet according to EC 1907/2006, 1272/2008, 878/2020

OSHA Hazard Communication Standard 29 CFR 1910.1200. GHS Rev

Date of Issue: 20 November 2024

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

1.1 Product identifier(s): **BPI GL-77**

Product code(s): 70302, 65901.

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

Use: Heat transfer fluid in double boiler tint heating units.

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.

Telephone: 0013052644465

Fax: 0013052641467

Information department: 001 305 264 4465

e-mail: BPI@callbpi.com

1.4 Emergency Telephone Number:

Emergency contact: 001 305 264 4465 (x364)

2. Hazards identification

2.1 Classification of the substance or mixture :

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

2.2 Label elements :

Pictogram(s): None

Signal Word: None

Contains: Not Applicable.

Hazard Statement(s): None.

Precautionary Statement(s): None.

3. Composition / information on ingredients

3.1 Substance: Not Applicable.

Chemical name:

CAS-Reg.No:

EC-No:

EINECS-No:

Further information:

3.2 Mixture:

Description: Glycerol (>97%) blended with antioxidants.

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Chemical name: Glycerol
Synonym: No data
CAS-Reg.No: 56-81-5
EC-No: EC No. 200-289-5
EINECS-No:
Hazards: Not classified
Concentration: greater than 97%

Chemical name: Sodium Nitrite
Synonym: No data
CAS-Reg.No: 7632-00-0
EC-No: EC No. 231-555-9
EINECS-No:
Hazards: May intensify fires; oxidiser (H272); Toxic if swallowed (H301); Very toxic to aquatic life (H400).
Concentration: less than 1%

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.

Inhalation : Move to fresh air.

Skin contact : If on skin: wash with plenty of soap and water. 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. If eye irritation persists, get medical advice.

Ingestion : Wash out mouth with water (if conscious). If swallowed, call a poison center or physician if you feel unwell. 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:

Emits toxic fumes under fire conditions. Decomposing may produce oxides of carbon.

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 eye or skin contact. Do not swallow. Wear impervious gloves (such as disposable latex) and splash-proof chemical goggles. For major spills wear an CEN approved respirator for organic vapors. 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 for 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: Wear eye protection. Wash thoroughly after handling. Avoid eye and skin contact. Use only in a double-boiler system designed for lens tinting. Avoid open flame, spark or hot plate. Avoid inhalation, eye and skin contact. Do not Swallow. Wash well after use. Eye washes and safety showers are strongly recommended. Dispose of material properly if significant darkening or thickening occurs.
- 7.2 Conditions for Safe Storage, including any incompatibilities: Stable on storage under normal conditions
Store in a cool, dry place. Avoid strong acids and strong oxidizing agents.
- 7.3 Specific End Use: Heat transfer fluid in double boiler tint heating units.
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8. Exposure controls and personal protection

- 8.1 Control parameters: ACGIH TLV Do not exceed 10mg/m3 in air. Local exhaust is recommended. Mechanical is acceptable.
- 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.
- Hand protection : Wear protective gloves. Wear suitable impervious gloves (such as disposable latex).
- Eye / face protection : Wear eye protection. 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: Colorless to slight yellow liquid.
- Odour: Slight odor
- Changes in physical state

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Boiling point/Boiling range (C)	:	182 C
Melting point (C)	:	20 C
Freezing temperature (C)	:	
Flash point (C)	:	> 160 C (PMCC)
Ignition temperature (C)	:	
Autoignition	:	
Explosion hazard	:	
Explosion limits (Vol.-%)	:	lower: 0.9% upper: no data
Vapour pressure (mbar)	:	.0033
Vapor density (g/cm3)	:	.0038
Bulk density (kg/m3)	:	1261
Solubility in water	:	Soluble
Solubility in other solvents	:	
pH-value	:	5.5 - 8
Viscosity	:	
9.2 Other safety information	:	VOC 72 gm/L

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 acids and strong oxidizing agents.
10.6 Hazardous decomposition products	:	Decomposing may produce oxides of carbon.

11. Toxicological information

11.1 Information on toxicological effects:

Acute toxicity:	Toxicity by ingestion not well documented.
Specific symptoms in animal experiments:	LD50 12.6 gm/kg (oral rat) for glycerol component.
Irritation effects:	May cause slight irritation by inhalation. May causes eye irritation. If eye irritation persists, get medical advice. If skin irritation or rash occurs: get medical advice.
Sensitization:	No data.
Subacute to chronic toxicity:	No data.

Carcinogenicity, mutagenicity, teratogenicity:

NTP? No

IARC Monographs? No.

OSHA Regulated? No

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 Assessmant:	no data available
12.6 Endocrine disrupting properties:	no data available
12.7 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

14. Transport Information

14.1 UN Number or ID 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

15. Regulatory Information

15.1 Safety, Health and Environmental Regulations / Legislation Specific for the Substance or Mixture:
EC 1907/2006, 1272/2008, 878/2020

15.2 Chemical Safety Assessment : No components at hazardous levels.

Contains: See section 2

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 chemicals known to the State of California to cause cancer or birth defects.

German Water Hazard Class WGK 1.

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16. Other Information

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. Prolonged contact with skin or eyes may cause redness or irritation. Inhalation of vapors at high temperatures may be irritating. May be slightly toxic by ingestion. Avoid contact and inhalation.

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

Most Recent Revision: 20 November 2024.

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.