

Brain Power Inc.

Safety Data Sheet according to EC 1907/2006, 1272/2008, 453/2010

OSHA Hazard Communication Standard 29 CFR 1910.1200. GHS Rev

Date of Issue: 18 November, 2014

1. Substance / preparation and company identification

1.1 Product name: BPI Ultrasonic C

Product codes: 71200, 71201.

1.2 Product Use: An ultrasonic cleaning solution

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

1.4 Telephone: 0013052644465 Fax: 0013052641467

Information department: 001 305 264 4465

Emergency contact: 001 305 264 4465 (x364)

2. Hazards identification

2.1 Hazardous ingredients: Nonylphenol, ethoxylated

Content: 8% Unit: % by weight

2.2 Hazard Symbols: "Exclamation Point" (GHS07)



Hazard Statement: Warning: "Harmful if swallowed"(H302); "Causes serious eye irritation" (H319); "Causes skin irritation" (H315); "Harmful to aquatic life with long lasting effects" (H412)

2.3 May cause eye and skin irritation.

3. Composition / information on ingredients

3.1 Chemical nature (substance):

CAS-Reg.No: Chemical name:

EC-No: EINECS-No:

Further information:

3.2 Chemical nature (mixture):

Description: Mix of surfactants and sequestrants in water.

Hazardous ingredients:

Nonylphenol, ethoxylated (CAS No. 9016-45-9; EC No. 500-024-6)

Content: 8% Unit: % by weight

Ingredients at concentrations not known to be hazardous:

Content: 92%

4. First-aid measures

General Advice : Consult a physician. Show this safety data sheet to the doctor.

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 (P332+P313). Take off contaminated clothing and wash before reuse (P362).

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).

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Ingestion : Harmful if swallowed (H302). If swallowed, call a poison center or physician if you feel unwell (P301+P312). Rinse mouth with water (P330).

Information for the doctor: Show the container, safety data sheet or label.

5. Fire-fighting measures

5.1 Suitable extinguishing media : Water fog, dry chemical, carbon dioxide, foam
Unsuitable extinguishing media:

5.2 Exposure hazards: Causes serious eye irritation (H319). Causes skin irritation (H315).

5.3 Protective equipment / advice for fire-fighters: Wear self-contained breathing apparatus with protective clothing to avoid personal contact.

6. Accidental release measures

- 6.1 Personal precautions : 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 (P264). 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. Avoid release to the environment (P273).
- 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 protective gloves (P 280). Wash thoroughly after handling (P264). Do not eat, drink or smoke when using this product (P270) Keep out of reach of children. Use only with appropriate equipment. Do not use a hot plate or open flame. 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.
- 7.3 Specific End Use: An ultrasonic cleaning solution.
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8. Exposure controls and personal protection

- 8.1 Technical protective measure : Ventilation: Local exhaust is recommended.
Mechanical is acceptable.
- 8.2 Exposure control limits :
- 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 and eye protection (P 280). Wear suitable impervious gloves (such as disposable latex).
- Eye protection : Wear eye protection (P280). Chemical resistant safety goggles are strongly recommended.
- Skin protection : Protective lab coat recommended. Wear suitable protective clothing and gloves.
- General safety and hygiene measures: Avoid all personal contact. Wear appropriate safety equipment. Wash well after use.

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9. 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) : not applicable

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

Additional information :

11. Toxicological information

Acute toxicity : Harmful if swallowed (H302).

Specific symptoms in animal experiments: Oral LD50 1.2g/kg (rat) for Nonylphenol, ethoxylated
Irritation effects : May cause slight irritation by inhalation. Causes serious eye irritation (H319). If eye irritation persists, get medical advice (P337+P313). If skin irritation occurs: get medical advice (P332+P313).

Sensitization : No data

Subacute to chronic toxicity: May aggravate existing skin condition.

Carcinogenicity, mutagenicity, teratogenicity:

NTP? No

IARC Monographs? No

OSHA Regulated? No

Information from practical experience:

Additional information: Overexposure may cause redness and irritation.

12. Ecological Information

12.1 Ecotoxicity: Nonylphenol, ethoxylated: LC50 Bluegill (fish) 1 –1.8 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 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

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Local / national / international regulations (P501).

14. Transport Information

Land transport:

ADR/RID	Class:	Subclass:
Warning sign	Hazard-No.:	UN-No.: none
Name of material:		
Remarks:	Not dangerous goods	

Inland ship transport:

ADN/ADNR	Class:	Subclass:
Category:		
Name of material:		
Remarks:	Harmful to aquatic life with long lasting effects (H412).	

Sea transport:

IMDG:	Class:	UN-No.: none	PG:
EmS:	MFAG:		
Marine pollutant: Harmful to aquatic life with long lasting effects (H412).			
Technical name of material:			
Remarks:			

Air transport

ICAO/IATA-DGR	Class:	UN/ID-No.: none	PG:
Technical name of material:			
Remarks: Not regulated for transport by air.			

Additional information:

15. Regulatory Information

15.1 Safety, Health and Environmental Regulations /

Legislation Specific for the Mixture : EC 1907/2006, 1272/2008, 453/2010

15.2 Chemical Safety Assessment : "Exclamation Point" (GHS07).

Contains: Nonylphenol, ethoxylated (CAS No. 9016-45-9; EC No. 500-024-6)

Content: 8% Unit: % by weight

Hazard statement: Warning: Harmful if swallowed (H302); Causes serious eye irritation (H319); Causes skin irritation (H315); Harmful to aquatic life with long lasting effects (H412).

Precautions: Wash thoroughly after handling (P264). Do not eat, drink or smoke when using this product (P270). Wear protective gloves and eye protection (P 280). If swallowed, call a poison center or physician if you feel unwell (P301+P312). Rinse mouth with water (P330). If on skin: wash with plenty of soap and water (P302+P352). If skin irritation occurs: get medical advice (P332+P313). Take off contaminated clothing and wash before reuse (P362). 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). Avoid release to the environment (P273). Dispose of contents/container in accordance with local / national / international regulations (P501).

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16. Other Information

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.