Brain Power Inc.

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

Date of Issue: 18 November, 2013

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1. Substance / preparation and company identification

1.1 Product name: BPI Neutralizer II™

Product code: 70100 & 72100

1.2 Product Use: To remove tints from plastic sunglass lenses.
1.3 Company: Brain Power Inc.; 4470 S.W. 74th Ave.; Miami, Florida ; USA 33155.
1.4 Telephone: 0013052644465 Fax: 0013052641467
Information department: 0013052644465
Emergency contact: 0013052644465

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2. Hazards identification

2.1 Hazardous ingredients: None at reportable levels.

2.2 Hazard Symbols: Not applicable

Hazard Statement: Not applicable

2.3 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.

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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 glycols and glycol ethers.
Hazardous ingredients: None at reportable levels.

CAS-Reg.No.:	Chemical name:	Content:	Unit:
Hazard Symbols:			
Risk phrases:			

Further information:

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4. First-aid measures

General Advice	:	
Inhalation	:	Move to fresh air.
Skin contact	:	Flush exposed area well with water for at least 15 minutes. If irritation persists seek medical advice.
Eye contact	:	Flush exposed area well with water for at least 15 minutes. If irritation persists seek medical advice.
Ingestion	:	Wash out mouth with water (if conscious) Seek medical assistance.
Information for the doctor:		

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5. Fire-fighting measures

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

5.2 Exposure hazards	:	Emits toxic fumes under fire conditions.
5.3 Protective equipment for fire-fighters:		Wear self-contained breathing apparatus with face-shield and protective clothing to avoid personal contact.
Further information	:	

6. Accidental release measures

6.1 Personal precautions	:	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.
6.2 Environmental precautions	:	Soak up all spills with inert absorbent material. Place in a 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 References to other sections	:	See section 4.

7. Handling and storage

7.1 Precautions for Safe Handling:	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 Precautions for Safe Storage:	Stable on storage under normal conditions. Store in a cool, dry place. Avoid strong acids and strong oxidizing agents.
7.3 Specific End Use.:	To remove tints from plastic sunglass lenses.

8. Exposure controls and personal protection

8.1 Technical protective measure:		Ventilation:	Local exhaust. Mechanical is acceptable.
8.2 Exposure control limits	:		
Personal protective equipment	:		
Respiratory protection	:	CEN approved respirator for organic vapour	
Hand protection	:	Gloves (disposable latex) are strongly recommended.	
Eye protection	:	Safety Goggles are strongly recommended.	
Skin protection	:	Protective lab coat recommended.	
General safety and hygiene measures:		Avoid all personal contact. Wear appropriate safety equipment. Wash well after use.	

9. Physical and chemical properties

Appearance:			
Colour:			Colorless to slight yellow liquid.
Odour:			Slight odor
Changes in physical state			
Boiling point/Boiling range	(°C)	:	202°C
Melting point	(°C)	:	-78°C
Freezing temperature	(°C)	:	-78°C
Flash point	(°C)	:	98°C (PMCC)

Ignition temperature	(°C)	:	No Data
Autoignition		:	204°C
Explosion hazard		:	See Below
Explosion limits	(Vol.-%)	:	lower: 1.2% upper: 11%
Vapour pressure	(mbar)	:	0.13 at 20°C
Vapor density	(g/cm3)	:	No Data
Bulk density	(kg/m3)	:	No Data
Solubility in water		:	Soluble
Solubility in other solvents		:	
pH-value		:	4-5 at20% H2O
Viscosity		:	0.0045 Poise @ 20°C
Additional information		:	

10. Stability and reactivity

10.1 Reactivity	:	Hazardous polymerization will not occur.
10.2 Chemical Stability	:	Stable on storage under normal conditions.
10.3 Possible Hazardous Reactions	:	Concentration to dryness may lead to a build-up of explosive peroxides.
10.4 Conditions to avoid	:	See 10.3
10.5 Incompatible materials	:	Avoid strong acids and strong oxidizing agents.
10.6 Hazardous decomposition products	:	Decomposing may produce oxides of carbon (CO and CO2).

11. Toxicological information

Acute toxicity	:	Toxicity by ingestion not well documented.
Specific symptoms in animal experiments:		LD50 5.4 gm/kg (oral rat)
Irritation effects	:	Eye and skin contact may cause redness and irritation.
Sensitization	:	
Subacute to chronic toxicity:		
Carcinogenicity, mutagenicity, teratogenicity:		NTP? Not listed. IARC Monographs? Not listed. OSHA Regulated? Not listed.
Information from practical experience:		
Additional information:		

12. Ecological Information

Information about degradability: More than 80% biodegradable.
Environmental effects:
Ecotoxicity: LC-50, 96 Hr, Fish mg/l 12,900.
Further ecological information:

13. Disposal considerations

Product:
Disposal code number (Germany):
Contaminated packaging: Dispose of waste in accordance with all local, state and federal regulations (P501).

14. Transport Information

Land transport:

ARD/RID	Class:	Subclass:
Warning sign	Hazard-No.:	UN-No.: none

Name of material:
Remarks: Not listed as dangerous goods for transport by UN.

Inland ship transport:

ADN/ADNR	Class:	Subclass:

Category:
Name of material:
Remarks: Not listed as dangerous goods for transport by UN.

Sea transport:

IMDG:	Class:	UN-No.: none	PG:
EmS:	MFAG:		

Marine pollutant:
Technical name of material:
Remarks: Not listed as dangerous goods for transport by UN.

Air transport

ICAO/IATA-DGR	Class:	UN/ID-No.: none	PG:

Technical name of material:
Remarks: Not regulated for transport by air.

Additional information:

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15. Regulatory Information

Labellng acc. to EEC-Directives :
Symbol indicating of hazards : Not applicable
Contains:
Risk phrases:
Safety phrases:
Special labelling:

National regulation (Germany):
Further information:

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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.