

# Material Safety Data Sheet

Data may be used to comply with OSHA's Hazard Communication Standard. 29 CFR 1910.1200. Standard must be consulted for specific requirements.

N/A = Not applicable. N/D = No data

**Identity:**

(As used on label and list)

BPI Chem Temp Photochromic Salt™

<b>Section I</b>	<b>Manufacturer's Name:</b> Brain Power Incorporated (BPI)		<b>Emergency Telephone Number:</b> 305-264-4465				
	<b>Address:</b> 4470 SW 74th Avenue Miami, Florida 33155. USA.		<b>Telephone Number for Information:</b> 305-264-4465				
		<b>Date Prepared:</b> 1 May 2008					
<b>Section II</b>	<b>Hazardous Components</b> Specific Chemical Identity; Common Name (s)		<b>OSHA PEL</b>	<b>ACGIH TLV</b>	<b>Other Limits</b>	<b>% Optional</b>	
	Potassium Nitrate, KNO <sub>3</sub> (CAS# 7757-79-1)		Not established	Not established			
	Silica Gel (CAS# 112926-00-8)		80 mg/cu m	10 mg/cu m			
	Sodium Nitrate, NaNO <sub>3</sub> (CAS# 7631-99-4)		Not established	Not established			
<b>Section III</b>	<b>Boiling Point:</b> Decomposes @ 750° F		<b>Specific Gravity:</b> (H <sub>2</sub> O=1) N/D		<b>pH:</b> N/D		
	<b>Vapor Pressure:</b> (mm Hg.) N/D		<b>Melting Point:</b> N/D				
	<b>Vapor Density:</b> (AIR=1) N/D		<b>Evaporation Rate:</b> (Butyl Acetate =1) N/D				
	<b>Solubility in Water:</b> Partially soluble		<b>Appearance &amp; Odor:</b> White powder.				
<b>Section IV</b>	<b>Flash Point:</b> (Method Used) Non-flammable		<b>Flammable Limits:</b> N/A		<b>LEL:</b> N/A	<b>UEL:</b> N/A	
	<b>Extinguishing Media:</b> Water only.						
	<b>Special Fire Fighting Procedures:</b> Wear self-contained breathing apparatus and protective clothing to avoid personal contact. Flood of water. In molten state water may scatter the liquid. Use with caution.				<b>NFPA CODES</b>		<b>F:</b> 0*
	<b>Unusual Fire and Explosion Hazards:</b> * May react spontaneously with readily oxidizable materials. Flammable materials become readily state. DO NOT USE WITH PLASTIC LENSES. Use only stainless steel tools. Do not use with aluminum tools.						<b>H:</b> N/D
						<b>R:</b> N/D	
						<b>S:</b> N/D	

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<b>Section V</b> Reactivity Data	<b>Stability:</b>	<b>Unstable:</b> <input type="checkbox"/>	<b>Conditions to avoid:</b> Avoid use with plastic lenses or aluminum tools. Reaction with reducing agents cause explosion. Do not use with cyanides.
		<b>Stable:</b> <input checked="" type="checkbox"/>	
	<b>Incompatibility:</b> (Materials to avoid) Avoid inorganic fluorides, magnesium, reducing agents, combustible materials, cyanides.		
<b>Hazardous Decomposition or Byproducts</b> May decompose to evolve nitrogen oxides.			
<b>Section VI</b> Health Hazard Data	<b>Hazardous Polymerization:</b>	<b>May occur:</b> <input type="checkbox"/>	<b>Conditions to avoid:</b> None known
		<b>Will not occur:</b> <input checked="" type="checkbox"/>	
	<b>Route(s) Of Entry:</b> <b>Inhalation?</b> Yes <b>Skin?</b> Yes <b>Ingestion?</b> Yes		
<b>Health Hazards:</b> (Acute & Chronic) Inhalation of dust may lead to silicosis. May cause eye and skin irritation. Dust may irritate mucous membranes.			
<b>Carcinogenicity:</b> NTP? N/A <b>IARC Monographs?</b> N/A <b>OSHA Regulated?</b> N/A			
<b>Signs &amp; Symptoms of Exposure:</b> Overexposure by inhalation may lead to silicosis. Inflammation and redness may occur by overexposure to skin.			
<b>Medical Conditions Generally Aggravated By Exposure:</b> May exacerbate eye, skin, or respiratory conditions.			
<b>Emergency &amp; First Aid Procedures:</b> Eye or skin contact: flush exposed area well with water for at least 15 minutes. If irritation persists seek medical assistance. Inhalation: remove to fresh air. If breathing difficulty persists seek medical attention. Ingestion: Seek immediate medical attention.			
<b>Section VII</b> Precautions For Safe Handling And Use	<b>Steps To Be Taken In Case Material Is Released Or Spilled:</b> Wear impervious gloves and splash-proof chemical goggles. Wear NIOSH-approved respiratory protection for dust. Ventilate the area well and sweep up the dust. Slight wetting of dust may reduce dispersal in air during clean-up. Place in closed container for disposal. Allow molten spills to cool prior to clean-up as above.		
	<b>Waste Disposal Method:</b> Dispose of waste in accordance with all local, state and federal regulations.		
	<b>Precautions To Be Taken In Handling &amp; Storage:</b> Wear eye protection and gloves. Avoid personal contact. DO NOT SWALLOW. Use only appropriate equipment. Do not use hot plate or open flame. Do not use with plastic lenses or aluminum tools. Do not use in the presence of reducing agents or flammables.		
<b>Section VIII</b> Control Measures	<b>Respiratory Protection:</b> (Specify Type) Harmful dust. Wear NIOSH-approved respirator.		
	<b>Ventilation:</b>	<b>Local Exhaust:</b> Recommended	<b>Special:</b> Comply with state and local regulations
		<b>Mechanical:</b> (General) Acceptable	
	<b>Protective Gloves:</b> Eye Protection: Strongly recommended		
	<b>Eye Protection:</b> Protective lab coat recommended.		
<b>Other Protective Clothing Or Equipment:</b> Protective lab coat recommended.			
<b>Work/Hygenic Practices:</b> Avoid all personal contact. Wear appropriate safety equipment. Wash well after use.			