

# SAFETY DATA SHEET

## Brilliant Restorer Diamond Cleaner

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Printed: 06/25/2015  
Revision: 06/10/2015

### 1. Product and Company Identification

**Product Code:** 4483  
**Product Name:** Brilliant Restorer Diamond Cleaner  
**Company Name:** Brilliant Diamond Cleaner #1729  
3941 Keeshen Dr.  
Los Angeles, CA 90066  
**Phone Number:** (310)391-0100  
**Emergency Contact:** infotrac Contract# 107473 (800)535-5053  
**Recommended Use:** Jewelry Cleaner

### 2. Hazards Identification

**Skin Corrosion/Irritation, Category 1C**

**Serious Eye Damage/Eye Irritation, Category 1**



**GHS Signal Word:** **Danger**

**GHS Hazard Phrases:** Causes skin irritation.  
Causes eye irritation.

**GHS Precaution Phrases:** Do not eat, drink or smoke when using this product.  
Wear protective gloves, protective clothing, eye protection, face protection.  
Wash hands thoroughly after handling.

**GHS Response Phrases:** If on skin (or in hair): Wash with plenty of soap and water. Wash contaminated clothing before reuse.  
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 attention immediately.  
If swallowed: Rinse mouth. Do NOT induce vomiting.  
If swallowed: Immediately call a Poison Center or doctor.  
If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

**GHS Storage and Disposal Phrases:** Store in cool dry place at room temperature away from direct sunlight.  
Dispose of contents and container according to the local, city, state and federal regulations.

**Potential Health Effects (Acute and Chronic):**

**Inhalation:** May cause allergic respiratory reaction.

**Skin Contact:** May cause mild skin irritation.

**Eye Contact:** Can cause severe eye irritation.

**Ingestion:** Harmful if swallowed. Causes gastrointestinal tract burns.

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### 3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)	Concentration
7664-38-2	Phosphoric acid	Proprietary
166736-08-9	Oxirane, methyl-, polymer with oxirane, mono(2-propylheptyl) ether	Proprietary

### 4. First Aid Measures

#### Emergency and First Aid

##### Procedures:

<b>In Case of Inhalation:</b>	If breathed in, move person into fresh air.
<b>In Case of Skin Contact:</b>	Flush skin with plenty of soap and water.
<b>In Case of Eye Contact:</b>	Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. If irritation develops, get medical aid.
<b>In Case of Ingestion:</b>	If victim is conscious and alert, give 2-4 cupfuls of milk or water. Get medical attention immediately.
<b>Note to Physician:</b>	Treat symptomatically and supportively.

### 5. Fire Fighting Measures

<b>Flash Pt:</b>	NA	Method Used:	Estimate
<b>Explosive Limits:</b>	LEL: N/A	UEL:	N/A
<b>Autoignition Pt:</b>	NA		
<b>Suitable Extinguishing Media:</b>	Use foam, dry chemical, or carbon dioxide.		
<b>Fire Fighting Instructions:</b>	As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Substance is noncombustible.		
<b>Flammable Properties and Hazards:</b>	No data available.		

### 6. Accidental Release Measures

<b>Steps To Be Taken In Case Material Is Released Or Spilled:</b>	Use proper personal protective equipment as indicated in Section 8. Absorb with earth, sand or other non-combustible material.
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### 7. Handling and Storage

<b>Precautions To Be Taken in Handling:</b>	Avoid inhalation of vapor or mist. Do not get in eyes, on skin, or on clothing. Do not ingest or inhale. Wash hands thoroughly after handling.
<b>Precautions To Be Taken in Storing:</b>	Store in a cool, dry place. Store in a tightly closed container.

### 8. Exposure Controls/Personal Protection

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
7664-38-2	Phosphoric acid	PEL: 1 mg/m <sup>3</sup>	TLV: 1 mg/m <sup>3</sup> STEL: 3 mg/m <sup>3</sup>	No data.
166736-08-9	Oxirane, methyl-, polymer with oxirane, mono(2-propylheptyl) ether	No data.	No data.	No data.

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**Respiratory Equipment (Specify Type):** No special requirements under normal use conditions.

**Eye Protection:** Safety glasses.

**Protective Gloves:** Wear appropriate protective gloves to prevent skin exposure.

**Other Protective Clothing:** Wear appropriate protective clothing to prevent skin exposure.

**Engineering Controls (Ventilation etc.):** Use adequate ventilation to keep airborne concentrations low.

### 9. Physical and Chemical Properties

**Physical States:** [ ] Gas [ X ] Liquid [ ] Solid

**Appearance and Odor:** Clear, colorless liquid with no fragrance.

**Melting Point:** NE

**Boiling Point:** >= 212.00 F

**Decomposition Temperature:** NE

**Autoignition Pt:** NA

**Flash Pt:** NA Method Used: Estimate

**Explosive Limits:** LEL: N/A UEL: N/A

**Specific Gravity (Water = 1):** 1.060

**Density:** ~ 8.84 LB/GA

**Bulk density:** NE

**Vapor Pressure (vs. Air or mm Hg):** NE

**Vapor Density (vs. Air = 1):** > 1

**Evaporation Rate:** NE

**Solubility in Water:** 100%

**Saturated Vapor Concentration:** NE

**Viscosity:** NP

**pH:** 1.0 - 2.0

**Percent Volatile:** No data.

**VOC / Volume:** 0.0000 G/L

**Particle Size:** NE

**Heat Value:** NE

**Corrosion Rate:** NE

### 10. Stability and Reactivity

**Stability:** Unstable [ ] Stable [ X ]

**Conditions To Avoid - Instability:** No data available.

**Incompatibility - Materials To Avoid:** Cationic materials, strong oxidizers, chlorine (bleach).

**Hazardous Decomposition Or Byproducts:** No data available.

**Possibility of Hazardous Reactions:** Will occur [ ] Will not occur [ X ]

**Conditions To Avoid - Hazardous Reactions:** None.

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### 11. Toxicological Information

**Toxicological Information:** No data available.

CAS# 7664-38-2:

**Carcinogenicity/Other Information:**

Acute toxicity, LD50, Oral, Rat, 1530. MG/KG.

Results:

[Beha (missing text!)] [Chan (missing text!)] [in (missing text!)] [psyc (missing text!)] [test (missing text!)] ; BIOFAX Industrial Bio-Test Laboratories, Inc., Data Sheets., Vol/p/yr: 17-4, 1970

CAS# 7664-38-2: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

CAS #	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
7664-38-2	Phosphoric acid	n.a.	n.a.	n.a.	n.a.
166736-08-9	Oxirane, methyl-, polymer with oxirane, mono(2-propylheptyl) ether	n.a.	n.a.	n.a.	n.a.

### 12. Ecological Information

No data available.

**Results of PBT and vPvB assessment:**

CAS# 7664-38-2:

Not reported., Rainbow Trout (*Oncorhynchus mykiss*), fingerling, 5.190 %, 27 W, Growth, Water temperature: 16.00 C - 20.00 C C.

Results:

Morphological changes.

- Effect of Various Types of Phosphates on Zinc Availability to Rainbow Trout, Satoh, S., N. Porn-Ngam, T. Takeuchi, and T. Watanabe, 1993

### 13. Disposal Considerations

**Waste Disposal Method:** Dispose of contents and container according to the local, city, state and federal regulations.

### 14. Transport Information

**LAND TRANSPORT (US DOT):**

**DOT Proper Shipping Name:** Quart and one gallon: Limited Quantity.

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**DOT Hazard Class:** 8 CORROSIVE

**UN/NA Number:** UN1760

**Packing Group:** III



**LAND TRANSPORT (Canadian TDG):**

**TDG Shipping Name:** UN1760, Corrosive Liquids, n.o.s., (Contains Phosphoric Acid), 8, III.

**MARINE TRANSPORT (IMDG/IMO):**

**IMDG/IMO Shipping Name:** UN1760, Corrosive Liquids, n.o.s., (Contains Phosphoric Acid), 8, III.

**AIR TRANSPORT (ICAO/IATA):**

**ICAO/IATA Shipping Name:** UN1760, Corrosive Liquids, n.o.s., (Contains Phosphoric Acid), 8, III.

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### 15. Regulatory Information

**EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists**

CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
7664-38-2	Phosphoric acid	No	Yes 5000 LB	No
166736-08-9	Oxirane, methyl-, polymer with oxirane, mono(2-propylheptyl) ether	No	No	No

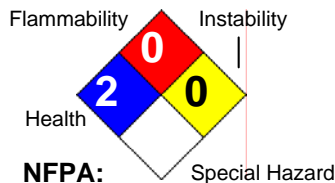
CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
7664-38-2	Phosphoric acid	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: TAC, Title 8
166736-08-9	Oxirane, methyl-, polymer with oxirane, mono(2-propylheptyl) ether	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: No

### 16. Other Information

**Hazard Rating System:**

HEALTH		2
FLAMMABILITY		0
PHYSICAL		0
PPE	B	

**HMIS:**



**Revision Date:** 06/10/2015  
**Additional Information About This Product:** No data available.

**Company Policy or Disclaimer:** The manufacturer believes the data set forth are accurate and makes no warranty with respects thereto and disclaims all liability for reliance thereon. Such data are offered solely for consideration, investigation and verification. Also, the data set forth is for the concentrated finished product. All lab samples are for experimental purposes only and used at the customers discretion.