

SAFETY DATA SHEET

Date Issued: 01-27-2016
Supersedes: 04-27-2015

1. IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY

Product Name	Diamond™
Product Number	BPR511001-B, BPR511005-B and BPR511055-B
Brand	Brighton Professional™
Recommended Use	Floor finish
Uses advised against	Uses other than those identified on the product label are not recommended.
Supplier Name	Staples Contract & Commercial, Inc.
Supplier Address	500 Staples Drive Framingham MA 01702 USA
Supplier Phone Number	1-888-322-0912
SDS Internet Address:	http://sds.staples.com
Emergency telephone number	1-888-322-0912

2. HAZARDS IDENTIFICATION

Classification for the Product

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200) and Canadian Hazardous Products Regulations (HPR) (WHMIS 2015-GHS).

Signal Word:	None required
Hazard Statements:	None required
Precautionary Statements:	None required

Hazards not otherwise classified (HNOC): Not applicable

Other information:	May be irritating to skin and eyes. Harmful to aquatic life.
Interactions with Other Chemicals:	No information available.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Acrylic polymer	trade secret	15 - 20
Ethoxydiglycol	111-90-0	1 - 5
Tributoxyethyl phosphate	78-51-3	1 - 5
Zinc compounds	trade secret	1 - 5
2,2,4-Trimethyl-1,3-pentanediol diisobutyrate	6846-50-0	0.1 - 1
2,5-furandione, polymer with 1-propene, potassium salt	62195-78-2	0.1 - 1
Dipropylene glycol methyl ether	34590-94-8	0.1 - 1

Balance is water and similar non-hazardous ingredients. No fragrance added.

4. FIRST AID MEASURES

General Advice Show this safety data sheet to the doctor in attendance.

First aid measures:

Eye Contact	Immediately flush eyes with water for at least 15 minutes while holding eyelids open. Remove contact lenses after the first five minutes if present, then continue rinsing eye. If irritation occurs and persists, seek medical advice.
Skin Contact	Flush immediately with plenty of water for at least 15 minutes. If irritation occurs and persists, seek prompt medical advice.

Inhalation If symptoms develop, move victim to fresh air and seek medical advice.
Ingestion Rinse mouth immediately and drink plenty of water. Do not induce vomiting. Never give anything by mouth to an unconscious person. If symptoms develop, seek medical advice.

Most Important Symptoms and Effects: May be irritating to skin and eyes. May be irritating to the mouth, throat and stomach. May be irritating to respiratory tract.

Indication of any immediate medical attention and special treatment needed

Notes to Physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media: Water spray (fog). Dry chemical. Carbon dioxide (CO₂). Foam
Unsuitable extinguishing media: Not determined
Specific Hazards Arising from the Chemical: Product is not flammable.
Hazardous Combustion Products: Carbon oxides. Phosphorus oxides.

Explosion Data

Sensitivity to Mechanical Impact: No
Sensitivity to Static Discharge: No

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Avoid contact with eyes.
Environmental Precautions: Prevent from entering soil, ditches, sewers, waterways and/or ground water.
Methods for Containment: Prevent further leakage or spillage if safe to do so.
Methods for cleaning up: Floor may become slippery. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers. Rinse area with water.

7. HANDLING AND STORAGE

Handling: Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing.
Storage: Keep container tightly closed and store in a cool, dry and well-ventilated place. Store away from incompatible materials. Keep from freezing. Keep out of reach of children.
Incompatible Products: Acids. Oxidizers. Caustics.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines:

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Dipropylene glycol methyl ether (DPM) 34590-94-8	STEL: 150 ppm TWA: 100 ppm	TWA: 100 ppm TWA: 600 mg/m ³	IDLH: 600 ppm TWA: 100 ppm TWA: 600 mg/m ³ STEL: 150 ppm STEL: 900 mg/m ³

*ACGIH TLV: American Conference of Governmental Industrial Hygienists - Threshold Limit Value
 OSHA PEL: Occupational Safety and Health Administration - Permissible Exposure Limits
 NIOSH IDLH - National Institute for Occupational Safety and Health - Immediately Dangerous to Life or Health*

Engineering Measures: General ventilation normally adequate.

Individual protection measures, such as personal protective equipment

Eye/Face Protection No special equipment required, but it is always good practice to use safety goggles when handling chemicals.
Skin and Body Protection No special equipment required, but it is always good practice to wear protective gloves when

Respiratory Protection	handling chemicals. No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation, respirator or evacuation may be required.
Hygiene Measures	Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical Properties

Physical state	Liquid	Odor	Characteristic
Color	White	Odor Threshold	No information available

Chemical Properties

	<u>Values</u>
pH (as is)	7.8 – 9.0
Melting / freezing point	No data available
Boiling point /boiling range	>100 °C / >212 °F
Flash Point	>93.3 °C / >200 °F
Evaporation Rate	No data available
Flammability	No data available
Lower flammability limit	No data available
Vapor density	No data available
Specific Gravity	1.026
Water Solubility	Soluble in water
Solubility in other solvents	No data available
Partition coefficient: n-octanol/water	No data available
Autoignition temperature	No data available
Decomposition temperature	No data available
Kinematic viscosity	No data available
Dynamic viscosity	No data available
Explosive properties	No data available
Softening Point	No data available
VOC Content (by weight)	0.96% (9.6 g/L)
Particle Size	No data available
Particle Size Distribution	No data available

This product is compliant with California Air Resources Board (CARB) regulations on Volatile Organic Compounds (VOC).

10. STABILITY AND REACTIVITY

Reactivity:	Not reactive under normal conditions.
Chemical stability:	Stable under recommended storage conditions.
Possibility of Hazardous Reactions:	None under normal processing.
Hazardous Polymerization:	Hazardous polymerization does not occur.
Conditions to avoid:	Keep separated from incompatible substances. Avoid extreme temperatures.
Incompatible materials:	Acids. Oxidizers. Caustics.
Hazardous Decomposition Products:	Carbon oxides. Phosphorus oxides.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Inhalation	Specific test data for the product is not available.
Eye Contact	Specific test data for the product is not available.
Skin Contact	Specific test data for the product is not available.
Ingestion	Specific test data for the product is not available.

Component Information:

Chemical Name / CAS#	Oral LD50	Dermal LD50	Inhalation LC50
Ethoxydiglycol 111-90-0	= 1920 mg/kg (Rat)	= 4200 µL/kg (Rabbit) = 6 mL/kg (Rat)	> 5240 mg/m ³ (Rat) 4 h
Tributoxyethyl phosphate 78-51-3	= 3000 mg/kg (Rat)	> 5000 mg/kg (Rabbit)	> 6.4 mg/L (Rat) 4 h

2,2,4-Trimethyl-1,3-pentanediol diisobutyrate 6846-50-0	> 3200 mg/kg (Rat)	-	-
Dipropylene glycol methyl ether (DPM) 34590-94-8	= 5230 mg/kg (Rat)	= 9500 mg/kg (Rabbit)	-

Information on toxicological effects

Symptoms No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization No information available.

Mutagenic Effects No information available.

Carcinogenicity Contains no ingredient listed as a carcinogen.

Reproductive Toxicity No information available.

STOT - single exposure No information available.

STOT - repeated exposure No information available.

Chronic Toxicity No known effect.

Target Organ Effects None known.

Aspiration Hazard No information available.

Numerical measures of toxicity Product Information

The following values are calculated based on chapter 3.1 of the GHS document

Not available

12. ECOLOGICAL INFORMATION

Ecotoxicity: Harmful to aquatic life.

Chemical Name / CAS	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Ethoxydiglycol 111-90-0		11400 - 15700: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 11600 - 16700: 96 h Pimephales promelas mg/L LC50 flow-through 10000: 96 h Lepomis macrochirus mg/L LC50 static 19100 - 23900: 96 h Lepomis macrochirus mg/L LC50 flow-through 13400: 96 h Salmo gairdneri mg/L LC50 flow-through		3940 - 4670: 48 h Daphnia magna mg/L EC50
Tributoxyethyl phosphate 78-51-3		10.4 - 12.0: 96 h Pimephales promelas mg/L LC50 flow-through		
2,2,4-Trimethyl-1,3-pentanediol diisobutyrate 6846-50-0		1.55: 96 h Pimephales promelas mg/L LC50 static		1.46: 48 h Daphnia magna mg/L EC50
Dipropylene glycol methyl ether (DPM) 34590-94-8		10000: 96 h Pimephales promelas mg/L LC50 static		1919: 48 h Daphnia magna mg/L LC50

Persistence and Degradability: No information available.

Bioaccumulation: No information available.

Other adverse effects: No information available.

13. DISPOSAL CONSIDERATIONS

Disposal methods: This material is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered

material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

Contaminated Packaging Dispose of contents/containers in accordance with local regulations.

14. TRANSPORT INFORMATION

24-HR EMERGENCY PHONE: 1-888-322-0912

DOT/ TDG/ MEX/ ICAO/ IATA/ IMDG/IMO: Not regulated

15. REGULATORY INFORMATION

International Inventories

TSCA(US) Complies
DSL (Canada) All components are listed either on the DSL or NDSL.

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains one or more chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

Chemical Name	CAS No	Weight-%	SARA 313 - Threshold Values %
Ethoxydiglycol	111-90-0	<5	1.0
Dipropylene Glycol methyl Ether (DPM)	34590-94-8	<1	1.0

SARA 311/312 Hazard Categories

Acute Health Hazard Yes
Chronic Health Hazard No
Fire Hazard No
Sudden release of pressure hazard No
Reactive Hazard No

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA

This material does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

Chemical Name / CAS	New Jersey	Massachusetts	Pennsylvania	Rhode Island	Illinois
Ethoxydiglycol 111-90-0	X		X		
Dipropylene glycol methyl ether (DPM) 34590-94-8	X	X	X		

International Regulations

Canada

16. OTHER INFORMATION

NFPA **Health Hazards 1** **Flammability 0** **Instability 0** **Physical & chemical Hazards 0**

HMIS **Health Hazards 1** **Flammability 0** **Physical Hazard 0** **Personal protection X**

Prepared By: Regulatory Specialist, Staples Brand Group, (508) 253-5000

Always follow label directions carefully when using this or any other chemical product. If information about this product is required, please contact Staples at 1-888-322-0912 or visit our website at www.staplesadvantage.com. Keep Safety Data Sheets filed and organized in an area accessible to workers according to all applicable regulations.

All information contained in this SDS is provided to the best of Staples Contract & Commercial Inc's knowledge. No warranty is made with respect to this information expressed or implied, including warranties of merchantability or fitness for a particular purpose. Users are responsible for verifying the information under their own operating conditions to determine whether the products listed in the SDS are suitable for their intended use. Users are responsible for compliance with all laws and regulations as may be required by their receipt of the information and use of the products provided with this SDS.