

STAPLES CONTRACT & COMMERCIAL, INC.
500 Staples Drive
Framingham, MA 01702 USA
Business Phone: 1-888-322-0912
24-HR MEDICAL AND EMERGENCIES: 1-888-322-0912

MSDS #: BPR5500		
Hazard Rating	HMIS	NFPA
Health	1	1
Flammability	0	0
Physical Hazards	0	-
Reactivity	-	0
Special	None	None

MATERIAL SAFETY DATA SHEET

Complies with ANSI Z400.1 Format

SECTION 1: PRODUCT IDENTIFICATION

Product: HARD ROCK SEALER™

This MSDS applies to Manufacturer Item Numbers: BPR550001-A, BPR550005-A, 18536 and 18537

MSDS CODE: BPR5500.0812

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

GENERIC DESCRIPTION

Floor Sealer

DATE ISSUED

08-01-2012

SUPERSEDES

10-31-2011

SECTION 2: HAZARDS IDENTIFICATION

Emergency overview: Eye and skin irritant.

Potential short term health effects

Routes of exposure: Eye, skin contact, inhalation, and ingestion.

Eyes: May cause irritation.

Skin: May cause irritation. May be harmful if absorbed through skin.

ACGIH – Threshold Limit Values – Skin Notations: 2-(2-Methoxypropoxy)propan-1-ol : Potential significant contribution to overall exposure by the cutaneous route.

May cause respiratory tract irritation.

Inhalation:

Ingestion: May cause stomach distress, nausea or vomiting.

Target organs: Eyes, skin, and respiratory system.

Chronic effects: Prolonged or repeated exposure can cause drying, defatting and dermatitis. Although animal toxicity values do not meet criteria, Ethane-1,2-diol is toxic to humans. Prolonged or repeated contact with tributoxyethyl phosphate may cause ataxia, breathing abnormalities, peripheral nerve damage and heart inflammation.

Signs and symptoms: Symptoms may include redness, edema, drying defatting and cracking of the skin. Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS #	% by Wt.	LC ₅₀	LD ₅₀ (oral)
2-(2-Ethoxyethoxy)ethanol	111-90-0	1-5	5,240 mg/l/4h, rat	5,500 mg/kg, rat
Tributoxyethyl phosphate	78-51-3	0.5-1.5	6.4 mg/l/4hr, rat	3,000 mg/kg, rat
2-(2-Methoxypropoxy)propan-1-ol	34590-94-8	0.5-1.5	Not available	5,400 mg/kg, rat
Dibutyl-1,2- benzenedicarboxylate	84-74-2	0.1-1	15.68 mg/L/4H, rat	8,000 mg/kg, rat
Ethane-1,2-diol	107-21-1	0.1-1	Not available	7,500 mg/kg, rat

Balance is water and similar non-hazardous ingredients. Contains fragrance.

SECTION 4: FIRST AID MEASURES

Emergency First Aid Procedures

Eyes: Immediately flush eyes with water for at least 15 minutes while holding eyelids open. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. If irritation occurs and persists, seek medical advice.

Skin: 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 with plenty of water and seek medical attention. Do not induce vomiting and do not give anything by mouth to an unconscious or convulsing person.

SECTION 5: FIRE FIGHTING MEASURES

Flammable properties: Not flammable by WHMIS/OSHA criteria. **Flash Point:** >200°F
Extinguishing Media: Use standard fire fighting measures to extinguish fires involving this material (water spray, dry chemicals, CO₂, or foam). **Special Fire Fighting Procedures:** Firefighters should wear full protective clothing including self contained breathing apparatus. **Unusual Fire and Explosion Hazards:** Combustible products may include, but not limited to: oxides of carbon and oxides of phosphorus.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Containment and Clean up: Floor may become slippery. Stop leak if you can do so without risk. Small spills may be absorbed with non-reactive absorbent. Rinse area with water. Recover liquid with wet mop or vacuum. Keep spill out of sewers and waterways. Follow good industrial hygiene practices. Wash thoroughly after handling.

SECTION 7: HANDLING AND STORAGE

Avoid contact with eyes and skin. Use only with adequate ventilation. Wash thoroughly after handling. Follow good industrial hygiene practices. Do not eat or drink while handling. Store in original containers away from incompatible materials. Keep out of reach of children. Keep from freezing.

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Limits:

Ingredient	ACGIH-TLV	OSHA-PEL
2-(2-Ethoxyethoxy)ethanol #111-90-0	TWA: 25 ppm	Not available
2-(2-Methoxypropoxy)propan-1-ol #34590-94-8	TWA: 100 ppm STEL: 150 ppm Skin: 100 ppm	TWA: 100 ppm
Dibutyl-1,2- benzenedicarboxylate #84-74-2	5 mg/m ³	5 mg/m ³
Ethane-1,2-diol #107-21-1	Ceiling: 100 mg/m ³	Not available
Tributoxyethyl phosphate #78-51-3	Not available	Not available

Engineering Controls: General ventilation normally adequate.
Respiratory Protection: Where exposure guideline levels may be exceeded, use an approved NIOSH respirator.
Protective Gloves: Wear chemical resistant gloves.
Eye Protection: Wear safety goggles.
Other Protective Measures: Use good personal hygiene practices. Wash hands after handling.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance/Odor: Opaque, white liquid/Fruity odor	Specific Gravity: 1.017
Odor threshold: Not available	Vapor Pressure: Not available
pH (as is): 7.5-9.0	Vapor Density: Not available
Boiling Point: >212°F	Freezing Point: Not available
Solubility in Water: Soluble	Evaporation Rate: Not available
V.O.C. Content (by weight): <1.0% (<10 g/L)	Coefficient of water/oil distribution: Not available

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

SECTION 10: STABILITY AND REACTIVITY

Chemical Stability: Stable **Conditions to Avoid:** Avoid high temperatures. Do not mix with other chemicals.
Incompatibility: Acids, oxidizers, caustics **Hazardous Polymerization:** Will not occur.
Hazardous Decomposition Products: May include and are not limited to: oxides of carbon and oxides of phosphorous.

SECTION 11: TOXICOLOGICAL INFORMATION

Effects of acute exposure:

Eyes: May cause irritation.
Skin: May cause irritation. May be harmful if absorbed through skin.
ACGIH – Threshold Limit Values – Skin Notations: 2-(2-Methoxypropoxy)propan-1-ol : Potential significant contribution to overall exposure by the cutaneous route.
Inhalation: May cause respiratory tract irritation.
Ingestion: May cause stomach distress, nausea or vomiting.

Chronic effects: Prolonged or repeated exposure can cause drying, defatting and dermatitis. Although animal toxicity values do not meet criteria, Ethane-1,2-diol is toxic to humans. Prolonged or repeated contact with tributoxyethyl phosphate may cause ataxia, breathing abnormalities, peripheral nerve damage and heart inflammation.

Sensitization: Non-hazardous by WHMIS/OSHA criteria.

Mutagenicity: Non-hazardous by WHMIS/OSHA criteria.

Carcinogenicity: Non-hazardous by WHMIS/OSHA criteria.

Reproductive effects: Non-hazardous by WHMIS/OSHA criteria.

Teratogenicity: In rats and mice exposed to Ethane-1,2-diol embryotoxic (late resorptions), fetotoxic (reduce fetal body weight) and teratogenic (external, soft tissues and skeletal defects) effects were observed at relatively high oral doses that caused no or minimal maternal toxicity.

Name of Toxicologically Synergistic Products: Not available

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity – Acute Toxicity Data:

Freshwater Algae

Ethane-1,2-diol #107-21-1	96 Hr EC ₅₀ Pseudokirchneriella subcapitata: 6500 - 13000 mg/L
Dibutyl-1,2- benzenedicarboxylate #84-74-2	72 Hr EC ₅₀ Scenedesmus subspicatus 1.2 mg/L

Freshwater Fish

2-(2-Ethoxyethoxy)ethanol #111-90-0	96 Hr LC ₅₀ Oncorhynchus mykiss: 11400-15700 mg/L [flow-through]; 96Hr LC ₅₀ Pimephales promelas: 11600-16700 mg/L [flow-through]; 96 Hr LC ₅₀ Lepomis macrochirus: 10000 mg/L [static]; 96 Hr LC ₅₀ Lepomis macrochirus: 19100-23900 mg/L [flow-through]; 96 Hr LC ₅₀ Salmo gairdneri: 13400 mg/L [flow-through]
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2-(2-Methoxypropoxy)propan-1-ol #34590-94-8	96 Hr LC ₅₀ Pimephales promelas: >10000 mg/L [static]
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Dibutyl-1,2- benzenedicarboxylate #84-74-2	96 Hr EC ₅₀ Pimephales promelas 1.1 mg/L, flow through
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Ethane-1,2-diol #107-21-1	96 Hr LC ₅₀ Oncorhynchus mykiss: 41000 mg/L; 96 Hr LC ₅₀ Oncorhynchus mykiss: 14 - 18 mL/L [static]; 96 Hr LC ₅₀ Lepomis macrochirus: 27540 mg/L [static]; 96 Hr LC ₅₀ Oncorhynchus mykiss: 40761 mg/L [static]; 96 Hr LC ₅₀ Pimephales promelas: 40000 - 60000 mg/L [static]; 96 Hr LC ₅₀ Poecilia reticulata: 16000 mg/L [static]
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Tributoxyethyl phosphate #78-51-3	96 Hr LC ₅₀ Pimephales promelas: 10.4-12.0 mg/L [flow-through]
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Water Flea

2-(2-Ethoxyethoxy)ethanol #111-90-0	48 Hr EC ₅₀ Daphnia magna: 3940 - 4670 mg/L
2-(2-Methoxypropoxy)propan-1-ol #34590-94-8	48 Hr LC ₅₀ Daphnia magna: 1919 mg/L
Dibutyl-1,2- benzenedicarboxylate #84-74-2	24 Hr EC ₅₀ Daphnia magna 17000 ug/L
Ethane-1,2-diol #107-21-1	48 Hr EC ₅₀ Daphnia magna: 46300 mg/L

Persistence/degradability:	Not available
Bioaccumulation/accumulation:	Not available
Mobility in environmental media:	Not available
Environmental effects:	Not available
Aquatic toxicity:	Not available
Partition coefficient:	Not available
Chemical fate information:	Not available
Other adverse effects:	Not available

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal Information: Dispose of in compliance with all applicable regulations.

SECTION 14: TRANSPORT INFORMATION

24-Hr Emergency Phone:	1-888-322-0912
Shipping Name:	Compound, Cleaning Liquid
U.S. DOT:	Not regulated as dangerous goods.
CANADA TDG:	Not regulated as dangerous goods.

SECTION 15: REGULATORY INFORMATION

CANADIAN FEDERAL REGULATIONS: This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

WHMIS Ingredient Disclosure List:

2-(2-Ethoxyethoxy)ethanol #111-90-0 1%
2-(2-Methoxypropoxy)propan-1-ol #34590-94-8 1%
Dibutyl-1,2- benzenedicarboxylate #84-74-2 0.1%
Ethane-1,2-diol #107-21-1 1%

WHMIS Status: Controlled

WHMIS Classification: Class D – Division 2B

WHMIS Labeling:



US FEDERAL REGULATIONS

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

California Proposition 65: This product contains a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

Ingredient	CAS#	State Right-to-Know	SARA EHS Sect. 302 TPQ(lbs)	SARA EHS Sect. 304 RQ(lbs)	CERCLA RQ (lbs)
2-(2-Methoxypropoxy) propan-1-ol	34590-94-8	CA, MN, NJ, PAI	N/A	N/A	N/A
Dibutyl-1,2- benzenedicarboxylate	84-74-2	CA, MA, MN, NJ, NY, PA, RI	N/A	N/A	5,000
Ethane-1,2-diol	107-21-1	CA, MN, NY, NJ, PA, RI	N/A	N/A	5,000

N/A = Not Applicable

SARA 311/312 Hazard Categories:

Immediate/Acute: Yes

Delayed/Chronic: No

Fire: Yes

Pressure: No

Reactivity: No

SARA Section 313 Toxic Chemicals:

Ethane-1,2-diol #107-21-1

Dibutyl-1,2- benzenedicarboxylate #84-74-2

Inventories

Canada's Domestic Substances List (DSL)

Canada's Non-Domestic Substances List (NDSL)

United States' Toxic Substances Control Act (TSCA)

On Inventory (yes/no)*

YES

NO

YES

*A "Yes" indicates that all components of this product comply with the inventory requirements.

SECTION 16: OTHER INFORMATION

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.staples.com. Keep MSD Sheets filed and organized in an area accessible to workers according to all applicable regulations.

This MSDS was prepared for the sole purpose of compliance with the U.S. Occupational Safety and Hazard Administration's Hazard Communication Standard and Canada's Controlled Product Regulations and that is its only intended use. All information contained in this MSDS 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 MSDS 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 MSDS.