



Material Safety Data Sheet

PERFLEXION The Ultimate Floor Finish

National Fire Protection Association (NFPA)	Fire Hazard Health 0 1 0 Reactivity Specific Hazard	Hazardous Material Information System (HMIS)	<table><tr><td>Health</td><td>1</td></tr><tr><td>Fire Hazard</td><td>0</td></tr><tr><td>Reactivity</td><td>0</td></tr></table>	Health	1	Fire Hazard	0	Reactivity	0
Health	1								
Fire Hazard	0								
Reactivity	0								
Protective Clothing	None required.	Emergency Overview	White. Opaque See Section 9. CAUTION: May be mildly irritating to eyes. May be mildly irritating to skin.						

Section 1. Chemical Product and Company Identification

Product Name	PERFLEXION The Ultimate Floor Finish	Code	8148110 & 8148520 & 8148550
Product Use	Industrial/Institutional: Floor care.	PMS#	3175084
MSDS#	F-00263002	Validation Date	10/3/2003
U.S. Headquarters Manufactured for: W.W. Grainger, Inc. 100 Grainger Parkway Lake Forest, IL 60045-5201 (847) 535-1000	Print Date		
	Supersedes		
	In Case of Emergency		
		Tech Service Phone: (847) 535-5400 Emergency Phone: (800) 228-5635	

Section 2. Composition and Information on Ingredients

Ingredients	CAS #	% by Weight	Exposure Limits	LC50/LD50
Tributoxyethyl phosphate	78-51-3	1-5	Not available.	ORAL (LD50): Acute: 3000 mg/kg [Rat]. 3000 mg/kg [Guinea pig]. 500 mg/kg [Mouse]. ORAL (LD50): Acute: 5540 to 9740 mg/kg [Rat]. ORAL (LD50): Acute: 5119 mg/kg [Rat]. DERMAL (LD50): Acute: 9480 mg/kg [Rabbit].
Diethylene Glycol Ethyl Ether	111-90-0	1-5	Not available.	
Dipropylene Glycol Methyl Ether	34590-94-8	1-5	OSHA (United States). Skin TWA: 600 mg/m ³ 8 hour(s). STEL: 900 mg/m ³ ACGIH (United States). Skin TWA: 606 mg/m ³ STEL: 909 mg/m ³	
Acrylic Polymers (Non-Hazardous)	7732-18-5	10-30	Not available.	Not available.
Water		30-60	Not available.	Not available.

Section 3. Hazards Identification

Routes of Entry	Inhalation. Skin contact. Eye contact.
Potential Acute Health Effects	
Eyes	May be mildly irritating to eyes.
Skin	May be mildly irritating to skin.
Inhalation	None known.
Ingestion	None known.
Medical Conditions Aggravated by Overexposure:	None known.
See Toxicological Information (section 11)	

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**Section 4. First Aid Measures**

Eye Contact	Flush immediately with plenty of water. Get medical attention if irritation occurs.
Skin Contact	Flush immediately with plenty of water. Get medical attention if irritation occurs.
Inhalation	No specific first aid measures are required.
Ingestion	No specific first aid measures are required.

Section 5. Fire Fighting Measures

Flammability of the Product	None known.
Flash Points	Closed cup: >93.333°C (200°F).
Products of Combustion	None known.
Fire Fighting Media and Instructions	Extinguish with water spray or carbon dioxide, dry chemical powder or appropriate foam. Normal fire fighting procedure may be used.
Special Remarks on Fire and Explosion Hazards	None known.

Section 6. Accidental Release Measures

Personal Precautions	Put on appropriate personal protective equipment (see Section 8).
Environmental Precautions and Clean-up Methods	In the event of major spillage: Use appropriate containment to avoid environmental contamination. Sweep or scrape up material. Place in suitable clean, dry containers for disposal by approved methods. Use a water rinse for final clean-up.

Section 7. Handling and Storage

Handling	Avoid contact with skin and eyes. FOR COMMERCIAL AND INDUSTRIAL USE ONLY.
Storage	Store in a dry, cool and well-ventilated area. Protect from freezing. KEEP OUT OF REACH OF CHILDREN.

Section 8. Exposure Controls/Personal Protection

Engineering Controls	No special ventilation requirements. General room ventilation is adequate.
Personal Protection	
Eyes	No special requirements under normal use conditions.
Hands	No special requirements under normal use conditions.
Respiratory	No special requirements under normal use conditions.
Feet	No special requirements under normal use conditions.
Body	No special protective clothing is required.

Section 9. Physical and Chemical Properties

Physical State and Appearance	Liquid. (Opaque)
Odor	Characteristic.
Color	White.
pH	8.5
Specific Gravity	1.028
Boiling/Condensation Point	100°C (212°F)
Melting/Freezing Point	0°C (32°F)
Solubility in water	Complete.

**Section 10. Stability and Reactivity**

Stability and Reactivity	The product is stable.
Conditions of Instability	None known.
Incompatibility with Various Substances	Not available.
Hazardous Decomposition Products	Produces normal products of combustion.
Hazardous Polymerization	Will not occur.

Section 11. Toxicological Information

Acute toxicity	Estimated to be greater than 5000 mg/kg (rat).
Effects of Chronic Exposure	None known.
Other Toxic Effects	Not available.

Section 12. Ecological Information

Not available.

Section 13. Disposal Considerations

Waste Information	No special precautions. Dispose of according to all federal, state and local regulations.
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Section 14. Transport Information

DOT Classification	
DOT Proper Shipping Name	Please refer to the Bill of Lading/receiving documents for up to date shipping information.
TDG Classification	
TDG Proper Shipping Name	Please refer to the Bill of Lading/receiving documents for up to date shipping information.

Section 15. Regulatory Information**Reporting in this section is based on ingredients disclosed in Section 2****US Regulations**

Federal SARA 313 toxic chemical notification and release reporting: Tributoxyethyl phosphate, Diethylene Glycol Ethyl Ether
CERCLA: Hazardous substances.: Diethylene Glycol Ethyl Ether

State New Jersey spill list: Tributoxyethyl phosphate, Diethylene Glycol Ethyl Ether
New Jersey: Tributoxyethyl phosphate, Diethylene Glycol Ethyl Ether, Dipropylene Glycol Methyl Ether
Massachusetts RTK: Tributoxyethyl phosphate, Dipropylene Glycol Methyl Ether
Pennsylvania RTK: Tributoxyethyl phosphate, Diethylene Glycol Ethyl Ether, Dipropylene Glycol Methyl Ether

This product is not subject to the reporting requirements under California's Proposition 65.

Registered Product Information Not applicable.

Canadian Regulations

WHMIS Classification Not controlled under WHMIS (Canada).



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WHMIS Icon



Registered Product Information Not applicable.

Chemical Inventory Status All ingredients of this product are listed or are excluded from listing on the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory. One or more ingredient(s) are not on the DSL list.

Section 16. Other Information

Other Special Considerations Not available.

Version 1

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