

VECTRA

National Fire Protection Association (NFPA)	Fire Hazard	Hazardous Material Information System (HMIS)	Health	1
	Health		Reactivity	0
	Specific Hazard		Fire Hazard	0
			Reactivity	0
Protective Clothing	None required.		Emergency Overview	Translucent. Opaque Emulsion. 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	VECTRA	Code	4071 & 4074 & 4078
Product Use	Industrial/Institutional: Floor care.	PMS#	3105027
MSDS#	114070010	Validation Date	4/14/2003
U.S. Headquarters Johnson Wax Professional 8310 16th Street Sturtevant, Wisconsin 53177-0902 Phone: (888) 352-2249 MSDS Internet Address: www.jwp.com	Canadian Headquarters Johnson Wax Professional 100 Matheson Blvd. East, Suite 203 Mississauga, Ontario L4Z 2G7 Phone: (905) 755-0913 or (888) 746-5971	Print Date	4/14/2003
		Supersedes	No Previous Validation
		In Case of Emergency	(800) 851-7145

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].
Dipropylene Glycol Methyl Ether	34590-94-8	1-5	OSHA (United States). Skin TWA: 600 mg/m ³ STEL: 900 mg/m ³ ACGIH (United States). Skin TWA: 606 mg/m ³ STEL: 909 mg/m ³	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.	ORAL (LD50): Acute: 5540 to 9740 mg/kg [Rat].
Zinc Ammonium Carbonate	40861-29-8	1-5	Not available.	Not available.
Acrylic Polymers		10-30	Not available.	Not available.
Water	7732-18-5	60-100	Not available.	Not available.

Section 3. Hazards Identification

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

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	
<i>Eyes</i>	No special requirements under normal use conditions.
<i>Hands</i>	No special requirements under normal use conditions.
<i>Respiratory</i>	No special requirements under normal use conditions.
<i>Feet</i>	No special requirements under normal use conditions.
<i>Body</i>	No special protective clothing is required.

Section 9. Physical and Chemical Properties

Physical State and Appearance	Liquid. (Emulsion.)
Odor	Ammoniacal.
Color	Translucent. Opaque
pH	8.5 to 9 [Basic.]
Specific Gravity	1.03
Solubility in water	Dispersible.

Section 10. Stability and Reactivity

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

Section 11. Toxicological Information

Acute toxicity	ORAL (LD50) Greater than 5000 mg/kg (rat).
Effects of Chronic Exposure	None known.
Other Toxic Effects	None known.

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.
-------------------	---

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: Diethylene Glycol Ethyl Ether, Zinc Ammonium Carbonate
 Clean Water Act (CWA) 307: Zinc Ammonium Carbonate
 CERCLA: Hazardous substances.: Diethylene Glycol Ethyl Ether, Zinc Ammonium Carbonate

State New Jersey spill list: Diethylene Glycol Ethyl Ether, Zinc Ammonium Carbonate
 New Jersey: Dipropylene Glycol Methyl Ether, Diethylene Glycol Ethyl Ether, Zinc Ammonium Carbonate
 Massachusetts spill list: Zinc Ammonium Carbonate
 Massachusetts RTK: Dipropylene Glycol Methyl Ether, Zinc Ammonium Carbonate
 Pennsylvania RTK: Dipropylene Glycol Methyl Ether, Diethylene Glycol Ethyl Ether, Zinc Ammonium Carbonate

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

Registered Product Information Not applicable.

Canadian Regulations

Canadian NPRI Canadian NPRI: Zinc Ammonium Carbonate.

WHMIS Classification Not controlled under WHMIS (Canada).

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

Section 16. Other Information

Other Special Considerations MSDS Serial Range: 010-012.

Version 2.5

Notice to Reader

This document has been prepared using data from sources considered technically reliable. It does not constitute a warranty, express or implied, as to the accuracy of the information contained within. Actual conditions of use and handling are beyond seller's control. User is responsible to evaluate all available information when using product for any particular use and to comply with all Federal, State, Provincial and Local laws and regulations.