

31634/36

MATERIAL SAFETY DATA SHEET



COMPLETE

HMIS		NFPA	Personal protective equipment
Health	1	1	None Required
Fire Hazard	0	0	
Reactivity	0	0	

Version Number: 1

Preparation date: 2006-05-01

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: COMPLETE
MSDS #: 114650035
Product code: 114650035, 114650X, 04657, 04654, 04651, 04649
Recommended use: Floor care.

Manufacturer, importer, supplier:
US Headquarters: Canadian Headquarters
JohnsonDiversey, Inc. JohnsonDiversey - Canada, Inc.
8310 16th St. 2401 Bristol Circle
Sturtevant, Wisconsin 53177-0902 Oakville, Ontario L6H 6P1
Phone: 1-888-352-2249 Phone: 1-800-668-3131
MSDS Internet Address:
www.johnsondiversey.com

Emergency telephone number: 1-800-851-7145 (Prosar); 1-651-917-6133 (Int'l Prosar); 01-800-710-3400 (México)

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

CAUTION. MAY BE MILDLY IRRITATING TO EYES. MAY BE MILDLY IRRITATING TO SKIN.

Principle routes of exposure: Eye contact. Skin contact. Inhalation.
Eye contact: May be mildly irritating to eyes.
Skin contact: May be mildly irritating to skin.
Inhalation: None known.
Ingestion: None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENTS

Ingredient(s)	CAS #	Weight %	LD50 Oral - Rat	LD50 Dermal - Rabbit	LC50 Inhalation - Rat
Diethylene glycol monoethyl ether	111-90-0	1 - 5%	= 1920 mg/kg	= 4200 µL/kg	5.24 g/m ³
Ethylene glycol	107-21-1	1 - 5%	= 4000 mg/kg	= 9530 µL/kg	200 mg/m ³

4. FIRST AID MEASURES

Eye contact: Flush immediately with plenty of water. If irritation develops get medical attention.
Skin contact: Flush immediately with plenty of water. If irritation develops get medical attention.
Inhalation: No specific first aid measures are required.
Ingestion: No specific first aid measures are required.
Aggravated Medical Conditions: None known.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media: The product is not flammable. Extinguish fire using agent suitable for surrounding fire .
Specific hazards: None known.
Unusual hazards: None known
Specific methods: No special methods required

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

Extinguishing media which must not be used for safety reasons: No information available

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Use personal protective equipment
Environmental precautions and clean-up methods: Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Clean up affected area with water.

7. HANDLING AND STORAGE

Handling:
Avoid contact with skin and eyes. FOR COMMERCIAL AND INDUSTRIAL USE ONLY.
Storage:
Protect from freezing. Keep tightly closed in a dry, cool and well-ventilated place. KEEP OUT OF THE REACH OF CHILDREN.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures to reduce exposure:
No special ventilation requirements. General room ventilation is adequate.

Personal Protective Equipment

Eye protection: No special requirements under normal use conditions.
Hand protection: No special requirements under normal use conditions.
Skin and body protection: No special requirements under normal use conditions.
Respiratory protection: No special requirements under normal use conditions.
Hygiene measures: Handle in accordance with good industrial hygiene and safety practice.

Ingredient(s)	CAS #	ACGIH	OSHA	Mexico
Ethylene glycol	107-21-1	100 mg/m ³ (Ceiling)		100 mg/m ³ (Ceiling)

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid	Bulk density:	No information available
pH:	9.4	Dilution pH:	No information available.
Appearance:	Aqueous solution	Vapor density:	No information available
Color:	White	Evaporation Rate	No information available
Odor:	Ammoniacal	Boiling point/range:	Not determined
Specific gravity:	8.35 lb/gal	Melting point/range:	Not determined
Density:	1.02 g/ml	Decomposition temperature:	Not determined
VOC:	2.15	Autoignition temperature:	No information available
Flash point:	>200 (°F) >93.3 (°C)	Viscosity:	No information available
Solubility:	Dispersible	Partition coefficient (n-octanol/water):	No information available
		Solubility in other solvents:	No information available

10. STABILITY AND REACTIVITY

Stability: The product is stable.
Polymerization: Hazardous polymerization does not occur.
Hazardous decomposition products: None reasonably foreseeable.
Conditions to avoid: Do not freeze.

11. TOXICOLOGICAL INFORMATION

Acute toxicity Oral LD50 estimated to be greater than 5000 mg/kg. Dermal LD50 estimated to be > 2000 mg/kg
Component Information: See Section 3
Chronic toxicity: None known
Specific effects
Carcinogenic effects: None known
Mutagenic effects: None known
Reproductive toxicity: None known
Target organ effects: None known

12. ECOLOGICAL INFORMATION

Environmental Information: No data available

13. DISPOSAL CONSIDERATIONS

13. DISPOSAL CONSIDERATIONS**Waste from residues / unused products:**

Dispose of according to all federal, state and local applicable regulations

14. TRANSPORT INFORMATION

DOT/TDG: Please refer to the Bill of Lading/receiving documents for up to date shipping information

15. REGULATORY INFORMATION**International Inventories**

All components of this product are listed on the following inventories: U.S.A. (TSCA), Canada (DSL/NDL), Australia (AICS), Korea (ECL), Philippines (PICCS), China (IECSC).

U.S. Regulations**California Proposition 65:** This product is not subject to the reporting requirements under California's Proposition 65**STATE RIGHT TO KNOW**

Ingredient(s)	CAS #	MARTK:	NJRTK:	PARTK:	RIRTK:
Diethylene glycol monoethyl ether	111-90-0	-	-	-	-
Modified styrene acrylic polymers	Proprietary	-	-	-	-
Tall oil fatty acid	61790-12-3	-	-	-	-
Water	7732-18-5	-	-	-	-
Ethylene glycol	107-21-1	X	X	-	X

CERCLA/ SARA

Ingredient(s)	CAS #	Weight %	CERCLA/SARA RQ (lbs)	Section 302 TPQ (lbs)	Section 313
Diethylene glycol monoethyl ether	111-90-0	1 - 5%			X
Ethylene glycol	107-21-1	1 - 5%	5000		X

Ingredient(s)	CAA HAP	CAA ODS	CWA Priority Pollutants
Diethylene glycol monoethyl ether	X		
Ethylene glycol	X		

SARA 311/312 Hazard Categories

Immediate: N
Delayed: N
Fire: N
Reactivity: N
Sudden Release of Pressure: N

Canada

WHMIS hazard class: Non-controlled.


Ingredient(s)	CAS #	NPRI
Ethylene glycol	107-21-1	X

16. OTHER INFORMATION

Reason for revision: Not applicable
Prepared by: NAPRAC
Additional advice: None

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COMPLETE

National Fire Protection Association (NFPA)	Fire Hazard		Hazardous Material Information System (HMIS)	Health	1
	Health			1	Fire Hazard
	Reactivity			Reactivity	0
Protective Clothing		Emergency Overview		Tan. Opaque See Section 9. CAUTION: May be mildly irritating to eyes.	

Section 1. Chemical Product and Company Identification					
Product Name	COMPLETE			Code	4651
Product Use	Industrial/Institutional: Floor care.			PMS#	433451
MSDS#	114650035			Validation Date	04/19/2000
U.S. Headquarters	Canadian Headquarters		Print Date	04/19/2000	
Johnson Wax Professional	Johnson Wax Professional		Supersedes	04/12/2000.	
8310 16th Street	100 Matheson Blvd. East, Suite 203		In Case of Emergency	(800) 851-7145	
Sturtevant, Wisconsin 53177-0902	Mississauga, Ontario L4Z 2G7				
Phone: (888) 352-2249	Phone: (905) 755-0913 or				
MSDS Internet Address:	(888) 746-5971				
www.jwp.com					

Section 2. Composition and Information on Ingredients				
Ingredients	CAS #	% by Weight	Exposure Limits	LC50/LD50
Ethylene Glycol	107-21-1	1-5	CEIL: 100 (mg/m ³) from OSHA (PEL) [United States] CEIL: 100 (mg/m ³) from ACGIH (TLV) [United States]	ORAL (LD50): Acute: 4700 mg/kg [Rat]. DERMAL (LD50): Acute: 10612 mg/kg [Rabbit].
Ethylene Homopolymer	68441-17-8	1-5	Not available.	Not available.
Diethylene Glycol Ethyl Ether	111-90-0	1-5	Not available.	ORAL (LD50): Acute: 5540 to 9740 mg/kg [Rat].
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>	None known.
<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	Rinse with plenty of running water.
Inhalation	Remove to fresh air.
Ingestion	Immediately drink plenty of water. Immediately get medical attention.

31634, 31636.

Section 5. Fire Fighting Measures

Flammability of the Product	None known.
Flash Points	Not available.
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 eyes. FOR 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 protective clothing is required.
<i>Hands</i>	No special protective clothing is required.
<i>Respiratory</i>	No special protective clothing is required.
<i>Feet</i>	No special protective clothing is required.
<i>Body</i>	No special protective clothing is required.

Section 9. Physical and Chemical Properties

Physical State and Appearance	Liquid. (Opaque)
Odor	Ammoniacal.
Color	Tan.
pH	9 to 9.4 [Basic.]
Specific Gravity	1.02
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	Not regulated
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TDG Classification	Not regulated
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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, Ethylene Glycol
 CERCLA: Hazardous substances.: Diethylene Glycol Ethyl Ether, Ethylene Glycol

State New Jersey spill list: Diethylene Glycol Ethyl Ether, Ethylene Glycol
 New Jersey: Diethylene Glycol Ethyl Ether, Ethylene Glycol
 Massachusetts RTK: Ethylene Glycol
 Pennsylvania RTK: Diethylene Glycol Ethyl Ether, Ethylene Glycol

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

Registered Product Information	Not applicable.
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Canadian Regulations

Canadian NPRI	Canadian NPRI: Ethylene Glycol.
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WHMIS Classification	Not controlled under WHMIS (Canada).
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WHMIS Icon



Registered Product Information	Not applicable.
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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.
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Section 16. Other Information

Other Special Considerations Not available.

Version 1

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