

JA1901

MATERIAL SAFETY DATA SHEET

JohnsonDiversey



Canada's leading commercial cleaning company

Enzyme Treatment 2

HMIS		NFPA	Personal protective equipment
Health	1	1	None / Aucune / Ninguno
Fire Hazard	2	2	
Reactivity	0	0	

Version Number: 2

Preparation date: 2009-11-17

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: Enzyme Treatment 2

MSDS #: MS0300324

Product Code: 3663037

Recommended use: Laundry care.

Manufacturer, importer, supplier:

US Headquarters

JohnsonDiversey, Inc.

8310 16th St.

Sturtevant, Wisconsin 53177-1964

Phone: 1-888-352-2249

MSDS Internet Address:

www.johnsondiversey.com

Emergency telephone number: 1-800-851-7145 (U.S.); 1-651-917-6133 (int'l)

Canadian Headquarters

JohnsonDiversey - Canada, Inc.

2401 Bristol Circle

Oakville, Ontario L6H 6P1

Phone: 1-800-668-3131

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

CAUTION: MAY BE MILDLY IRRITATING TO EYES. MAY BE MILDLY IRRITATING TO SKIN. COMBUSTIBLE LIQUID AND VAPOR. Contains enzymes which may produce respiratory allergy if inhaled in spray or dust.

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:

Contains enzymes which may produce respiratory allergy if inhaled in spray or dust.

Ingestion:

None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous ingredients

Ingredient(s)	CAS #	Weight %	LD50 Oral - Rat (mg/kg)	LD50 Dermal - Rabbit	LC50 Inhalation - Rat
Bacterial spore suspension	TS*	1 - 5%	Not available	Not available	Not available
Propylene glycol methyl ether	107-98-2	1 - 5%	5200	=13000 mg/kg	=54.6 mg/L (4 h) >24 mg/L (1 h)
2-butoxyethanol	111-76-2	1 - 5%	470	220 mg/kg	2.21 mg/L (4 h); 450 ppm (4 h)
Sodium lauryl sulfate	151-21-3	1 - 5%	1266	=580 mg/kg	>3900 mg/m ³ (1 h)

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:

If breathing is affected, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.

Ingestion:

No specific first aid measures are required.

Aggravated Medical Conditions:

Individuals with chronic respiratory disorders such as asthma, chronic bronchitis, emphysema, etc., may be more susceptible to irritating effects.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media:

Use dry chemical, CO₂, water spray or "alcohol" foam.

Specific hazards:

Enzyme - dust and aerosols may cause allergic respiratory reaction.

Unusual hazards:

None known.

Specific methods:

No special methods required

Autoignition temperature:

No information available.

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5. FIRE-FIGHTING MEASURES

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. Wear self contained breathing apparatus for fire fighting if necessary.
Extinguishing media which must not be used for safety reasons: None.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Put on appropriate personal protective equipment (see Section 8.). Ensure adequate ventilation. In case of an incident in a confined area wear suitable respiratory protection. Mop or use low-pressure water spray which will not create aerosols.
Environmental precautions and clean-up methods: Remove immediately by using vacuum with filter or mopping or washing. Sweeping, blowing, splashing, or high-pressure flushing should be avoided as this creates dust or aerosols. Remove and wash contaminated clothing.

7. HANDLING AND STORAGE

Handling:
Avoid contact with skin and eyes. **COMBUSTIBLE LIQUID AND VAPOR.** Keep away from open flames, hot surfaces and sources of ignition. Use only in well-ventilated areas. Do not spray into the air. Do not create aerosols or mists. Do not breathe dust or mist. **FOR COMMERCIAL AND INDUSTRIAL USE ONLY.**
Storage:
Protect from freezing. Keep tightly closed in a dry, cool and well-ventilated place. **KEEP OUT OF 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
Propylene glycol methyl ether	107-98-2	150 ppm (STEL) 100 ppm (TWA)		
2-butoxyethanol	111-76-2	20 ppm (TWA)	Skin 240 mg/m ³ (TWA) 50 ppm (TWA)	75 ppm (STEL) 360 mg/m ³ (STEL) 26 ppm (TWA) 120 mg/m ³ (TWA)

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid	Bulk density:	No information available
pH:	9.0	Dilution pH:	No information available.
Appearance:	Liquid	Vapor density:	No information available
Color:	Cloudy Amber	Evaporation Rate	No information available
Odor:	Fresh	Boiling point/range:	Not determined
Specific gravity:	No information available	Melting point/range:	Not determined
Density:	1.01 lbs/gal Kg/L	Decomposition temperature:	Not determined
VOC:	1.5% *	Autoignition temperature:	No information available
Flash point:	>150°F >65.6°C	Partition coefficient (n-octanol/water):	No information available
Solubility:	Completely Soluble	Solubility in other solvents:	No information available
Viscosity:	No information available	Elemental Phosphorus:	0% by wt.

Explosion limits: - lower: Not determined- upper: Not determined

* - Title 17, California Code of Regulations, Division 3, Chapter 1, Subchapter 8.5, Article 2, Consumer Products, Sections 94508

10. STABILITY AND REACTIVITY

Stability: Stable.
Polymerization: None under normal processing.
Hazardous decomposition products: None reasonably foreseeable.
Materials to avoid: None known.
Conditions to avoid: Keep away from heat. Keep away from open flames, hot surfaces and sources of ignition.

11. TOXICOLOGICAL INFORMATION

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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

Hazardous ingredients

Ingredient(s)	CAS #	NTP	IARC	OSHA
2-butoxyethanol	111-76-2		3	

12. ECOLOGICAL INFORMATION

Environmental Information: No data available

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/NDSL).

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:	RJRTK:
Bacterial spore suspension	TS*	-	-	-	-
Propylene glycol methyl ether	107-98-2	X	X	X	X
2-butoxyethanol	111-76-2	X	X	X	X
Sodium lauryl sulfate	151-21-3	-	-	-	-
Water	7732-18-6	-	-	-	-
Sodium alkyl naphthalene sulfonate	26264-58-4	-	-	-	-
Acrylate polymer	67366-74-9	-	-	-	-

CERCLA/ SARA

Ingredient(s)	CAS #	Weight %	CERCLA/SARA RQ (lbs)	Section 302 TPQ (lbs)	Section 313
2-butoxyethanol	111-76-2	1 - 5%			X

Ingredient(s)	CAA HAP	CAA ODS	CWA Priority Pollutants
2-butoxyethanol	X		

SARA 311/312 Hazard Categories

Immediate: -
 Delayed: -
 Fire: x
 Reactivity: -
 Sudden Release of Pressure: -

Canada

WHMIS hazard class: B3 Combustible liquid.

16. OTHER INFORMATION

Reason for revision: Not applicable

16. OTHER INFORMATION

Prepared by:

NAPRAC

Additional advice:

Contains an added fragrance, see "Odor" heading in section 9 for specific description.

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