



## Enhance Extra

HMIS		NFPA	Personal protective equipment
Health	2	2	
Fire Hazard	0	0	
Reactivity	0	0	

Version Number: 4

Preparation date: 2008-01-29

## 1. PRODUCT AND COMPANY IDENTIFICATION

<b>Product name:</b>	Enhance Extra
<b>MSDS #:</b>	224600615001
<b>Product Code:</b>	3654579, 3654587, 3419018, 3419026, 3419034, 3419042
<b>Recommended use:</b>	Laundry care.
<b>Manufacturer, importer, supplier:</b>	
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.johnsondiverse.com	
<b>Emergency telephone number:</b>	1-800-851-7145 (Prosar); 1-651-917-6133 (Int'l Prosar); 01-800-710-3400 (México)

## 2. HAZARDS IDENTIFICATION

## EMERGENCY OVERVIEW

WARNING. CONCENTRATE. CAUSES EYE IRRITATION. CAUSES SKIN IRRITATION. MAY BE HARMFUL IF SWALLOWED .

<b>Principle routes of exposure:</b>	Eye contact. Skin contact. Ingestion.
<b>Eye contact:</b>	Severe eye irritation.
<b>Skin contact:</b>	Moderately irritating to the skin.
<b>Inhalation:</b>	May be irritating to nose, throat, and respiratory tract.
<b>Ingestion:</b>	Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

## Hazardous ingredients

Ingredient(s)	CAS #	Weight %	LD50 Oral - Rat (mg/kg)	LD50 Dermal - Rabbit	LC50 Inhalation - Rat
Alcohol ethoxylate	68002-97-1	10 - 20%	2,750	Not available	Not available
Disodium 2,2'-([1,1'-biphenyl]-4,4'-diyldivinylene)bis(benzenesulphonate)	27344-41-8	0.1 - 1.5%	5000	Not available	Not available
Sodium dodecylbenzene sulfonate	25155-30-0	1 - 5%	438	Not available	Not available
2-butoxyethanol	111-76-2	5 - 10%	470	220 mg/kg	2.21 mg/L (4 h); 450 ppm (4 h)

## 4. FIRST AID MEASURES

<b>Eye contact:</b>	Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. If irritation persists, get medical attention.
<b>Skin contact:</b>	Flush immediately with plenty of water for at least 15 minutes. If irritation persists, get medical attention.
<b>Inhalation:</b>	If breathing is affected, remove to fresh air. Get medical attention.
<b>Ingestion:</b>	Immediately drink one cupful of water or milk. Never give anything by mouth to an unconscious person. Get medical attention.
<b>Aggravated Medical Conditions:</b>	Persons with pre-existing skin disorders may be more susceptible to irritating effects.

## 5. FIRE-FIGHTING MEASURES

<b>Suitable extinguishing media:</b>	The product is not flammable. Use dry chemical, CO <sub>2</sub> , water spray or "alcohol" foam.
<b>Specific hazards:</b>	None known.

## 5. FIRE-FIGHTING MEASURES

**Unusual hazards:** None known.  
**Specific methods:** No special methods required  
**Autoignition temperature:** No information available.

**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:** None.

## 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. Use a water rinse for final clean-up.

## 7. HANDLING AND STORAGE

### Handling:

Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing and footwear before re-use. Wash thoroughly after handling. Do not taste or swallow. FOR COMMERCIAL AND INDUSTRIAL USE ONLY. 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.

### Personal Protective Equipment

**Eye protection:** Safety glasses with side-shields.  
**Hand protection:** Rubber gloves recommended for prolonged or repeated skin contact  
**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
2-butoxyethanol	111-76-2	20 ppm (TWA)	Skin 240 mg/m <sup>3</sup> (TWA) 50 ppm (TWA)	75 ppm (STEL) 360 mg/m <sup>3</sup> (STEL) 26 ppm (TWA) 120 mg/m <sup>3</sup> (TWA)

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State:</b>	Liquid	<b>Bulk density:</b>	No information available
<b>pH:</b>	7.0	<b>Dilution pH:</b>	7.4 (1%)
<b>Appearance:</b>	Liquid	<b>Vapor density:</b>	No information available
<b>Color:</b>	Clear Blue	<b>Evaporation Rate</b>	No information available
<b>Odor:</b>	No Odor/Odorless	<b>Boiling point/range:</b>	Not determined
<b>Specific gravity:</b>	1.003	<b>Melting point/range:</b>	Not determined
<b>Density:</b>	8.37	<b>Decomposition temperature:</b>	Not determined
<b>VOC:</b>	6% *	<b>Autoignition temperature:</b>	No information available
<b>Flash point:</b>	>200°F >93.3°C	<b>Partition coefficient (n-octanol/water):</b>	No information available
<b>Solubility:</b>	completely soluble	<b>Solubility in other solvents:</b>	No information available
<b>Viscosity:</b>	No information available	<b>Elemental Phosphorus:</b>	0 %P

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

## 10. STABILITY AND REACTIVITY

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

## 11. TOXICOLOGICAL INFORMATION

**Acute toxicity:** Dermal LD50 estimated to be > 2000 mg/kg  
**Component Information:** See Section 3

## 11. TOXICOLOGICAL INFORMATION

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

### 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), Australia (AICS), Korea (ECL), Philippines (PICCS), New Zealand (NZIoC), 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:
Disodium 2,2'-([1,1'-biphenyl]-4,4'-diyldivinylene)bis(benzenesulphonate)	27344-41-8	-	-	-	-
Water	7732-18-5	-	-	-	-
Alcohol ethoxylate	68002-97-1	-	-	-	-
Sodium dodecylbenzene sulfonate	25155-30-0	X	X	X	-
2-butoxyethanol	111-76-2	X	X	X	X

### CERCLA/ SARA

Ingredient(s)	CAS #	Weight %	CERCLA/SARA RQ (lbs)	Section 302 TPQ (lbs)	Section 313
Sodium dodecylbenzene sulfonate	25155-30-0	1 - 5%	1000		
2-butoxyethanol	111-76-2	5 - 10%			X

### SARA 311/312 Hazard Categories

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

### Canada

WHMIS hazard class: D2B Toxic materials.



Ingredient(s)	CAS #	NPRI
2-butoxyethanol	111-76-2	X

## 16. OTHER INFORMATION

Reason for revision: Not applicable

## 16. OTHER INFORMATION

**Prepared by:** NAPRAC  
**Additional advice:** None

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