

LinenBrite Top Load Detergent (EnVerros)

National Fire Protection Association (NFPA)	Fire Hazard Health Reactivity 1 3 0	Hazardous Material Information System (HMIS) Health3 Fire Hazard1 Reactivity0
Specific Hazard		
Protective Clothing 	Emergency Overview	Blue. Liquid. See Section 9. DANGER. CORROSIVE. CAUSES EYE BURNS. CAUSES SKIN IRRITATION. HARMFUL OR FATAL IF SWALLOWED. COMBUSTIBLE.

Section 1. Chemical Product and Company Identification

Product Name	LinenBrite Top Load Detergent (EnVerros)	Code	25114
Product Use	Industrial/Institutional: Laundry care. This product is intended to be diluted prior to use.	PMS#	Not available.
MSDS#	F-00544002	Validation Date	7/19/2004
U.S. Headquarters JohnsonDiversey, Inc. 8310 16th Street Sturtevant, Wisconsin 53177-0902 Phone: (888) 352-2249 MSDS Internet Address: www.johnsondiversevy.com	Canadian Headquarters JohnsonDiversey - Canada, Inc. 2401 Bristol Circle Oakville, Ontario L6H 6P1 Phone: 1-800-668-3131	Print Date	7/19/2004
		Supersedes	7/6/2004.
		In Case of Emergency	(800) 851-7145

Section 2. Composition and Information on Ingredients

Ingredients	CAS #	% by Weight	Exposure Limits	LC50/LD50
Isopropyl Alcohol	67-63-0	1-5	OSHA (United States). TWA: 980 mg/m ³ STEL: 1225 mg/m ³ ACGIH (United States). TWA: 983 mg/m ³ STEL: 1230 mg/m ³ ACGIH TLV (United States, 2003). Notes: Refers to Appendix A -- Carcinogens. ACGIH 2003 Adoption STEL: 400 ppm 15 minute(s). TWA: 200 ppm 8 hour(s). OSHA PEL (United States, 1993). Notes: TWA: 980 mg/m ³ 8 hour(s). TWA: 400 ppm 8 hour(s)	ORAL (LD50): Acute: 5045 mg/kg [Rat]. 6410 mg/kg [Rabbit]. 3600 mg/kg [Mouse]. DERMAL (LD50): Acute: 12800 mg/kg [Rabbit]. VAPOR (LC50): Acute: 16000 ppm 8 hour(s) [Rat].
Sodium Hydroxide	1310-73-2	1-5	OSHA (United States). CEIL: 2 mg/m ³ ACGIH (United States). STEL: 2 mg/m ³ ACGIH TLV (United States, 2003). Notes: CEIL: 2 mg/m ³ NIOSH REL (United States,	Not available.

			2001). Notes: CEIL: 2 mg/m ³ OSHA PEL (United States, 1993). Notes: TWA: 2 mg/m ³ 8 hour(s). OSHA PEL 1989 (United States, 1989). Notes: CEIL: 2 mg/m ³	
Sodium Xylene Sulfonate	1300-72-7	1-5	Not available.	Not available.
Tetrasodium EDTA	64-02-8	1-5	Not available.	ORAL (LD50): Acute: 330 mg/kg [Rat].
Sodium Dodecylbenzene Sulfonate	25155-30-0	1-5	Not available.	ORAL (LD50): Acute: 438 mg/kg [Rat]. 1330 mg/kg [Mouse].
Alcohol Ethoxylate	68002-97-1	5-10	Not available.	Not available.
Water	7732-18-5	60-100	Not available.	Not available.

Section 3. Hazards Identification

Routes of Entry Eye contact. Ingestion. Inhalation. Skin contact

Potential Acute Health Effects

Eyes Corrosive. May cause permanent damage including blindness.

Skin May be severely irritating to skin.

Inhalation May cause irritation and corrosive effects to nose, throat and respiratory tract.

Ingestion May cause abdominal discomfort, nausea, vomiting and diarrhea.

Medical Conditions Aggravated by Overexposure: Persons with pre-existing skin disorders may be more susceptible to irritating effects.

See Toxicological Information (section 11)

Section 4. First Aid Measures

Eye Contact Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Get medical attention immediately.

Skin Contact Flush immediately with plenty of water for at least 15 minutes. Get medical attention.

Inhalation If breathing is difficult: Remove to fresh air. Get medical attention immediately.

Ingestion Do not induce vomiting. Immediately drink 1-2 glasses of water or milk. Get medical attention.

Section 5. Fire Fighting Measures

Flammability of the Product COMBUSTIBLE. Although this product has a flash point below 200 Deg. F, it is an aqueous solution containing an alcohol and does not sustain combustion.

Flash Points Closed cup: 70°C (158°F).

Products of Combustion None known.

Fire Fighting Media and Instructions Use water spray to keep fire exposed containers cool. dry chemical, carbon dioxide.

Protective Clothing (Fire) Put on appropriate personal protective equipment (see Section 8).

Special Remarks on Fire and Explosion Hazards Material may burn in heat of fire. Corrosive material (See sections 8 and 10).

Section 6. Accidental Release Measures

Personal Precautions	Put on appropriate personal protective equipment (see Section 8).
Environmental Precautions and Clean-up Methods	Eliminate all ignition sources. In the event of major spillage: Use appropriate containment to avoid environmental contamination. Take up with sand or other non-combustible material. Place in suitable clean, dry containers for disposal by approved methods.

Section 7. Handling and Storage

Handling	Avoid contact with eyes, skin and clothing. Do not taste or swallow. Avoid breathing vapors or spray mists. Wash thoroughly after handling. Remove and wash contaminated clothing and footwear before re-use. Product residue may remain on/in empty containers. All precautions for handling the product must be used in handling the empty container and residue. Use only in well-ventilated areas. FOR COMMERCIAL AND INDUSTRIAL USE ONLY.
Storage	Store in a dry, cool and well-ventilated area. Protect from freezing. Keep container tightly closed. KEEP OUT OF REACH OF CHILDREN.

Section 8. Exposure Controls/Personal Protection

Engineering Controls	Good general ventilation should be sufficient to control airborne levels. Respiratory protection is not required if good ventilation is maintained.
Personal Protection	
<i>Eyes</i>	Chemical splash goggles.
<i>Hands</i>	Chemical resistant gloves.
<i>Respiratory</i>	If mists/vapors are not adequately controlled by ventilation, use appropriate respiratory protection to avoid over exposure. A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.
<i>Feet</i>	No special requirements under normal use conditions.
<i>Body</i>	If major exposure is possible, wear suitable protective clothing.

Section 9. Physical and Chemical Properties

Physical State and Appearance	Liquid.
Odor	Citrus. Floral.
Color	Blue.
pH	13 [Basic.]
Specific Gravity	1.08
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	Slightly reactive to reactive with acids.
Hazardous Decomposition Products	None known.
Hazardous Polymerization	Will not occur.

Section 11. Toxicological Information

Acute toxicity	Corrosive to eyes.
Effects of Chronic Exposure	None known.
Other Toxic Effects	None known.

Section 12. Ecological Information

Not available.

Section 13. Disposal Considerations

Waste Information	Undiluted product is regulated under environmental and transportation laws as a corrosive waste.
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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.
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TDG Classification

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

Section 15. Regulatory Information

Reporting in this section is based on ingredients disclosed in Section 2

US Regulations

Federal SARA 302/304/311/312 hazardous chemicals: Sodium hydroxide, Isopropyl Alcohol, Tetrasodium EDTA
SARA 311/312 MSDS distribution - chemical inventory - hazard identification: Sodium hydroxide, Isopropyl Alcohol, Tetrasodium EDTA
SARA 313 toxic chemical notification and release reporting: Isopropyl Alcohol
Clean Water Act (CWA) 311: Sodium hydroxide
CERCLA: Hazardous substances.: Sodium hydroxide, Isopropyl Alcohol

State New Jersey spill list: Sodium hydroxide, Isopropyl Alcohol
New Jersey: Sodium hydroxide, Isopropyl Alcohol
Massachusetts spill list: Sodium hydroxide, Isopropyl Alcohol
Massachusetts RTK: Sodium hydroxide, Isopropyl Alcohol
Pennsylvania RTK: Sodium hydroxide, Isopropyl Alcohol

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

Registered Product Information Not applicable.

Canadian Regulations

WHMIS Classification Class E: Corrosive liquid.

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.

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Section 16. Other Information	
Other Special Considerations	Not available.
Version	1.02
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