

ADVANCE TECH BUILT LIQUID LAUNDRY DETERGENT

National Fire Protection Association (NFPA)	Fire Hazard Health 3 Reactivity 0	Hazardous Material Information System (HMIS) Health3 Fire Hazard0 Reactivity0
Specific Hazard		
Protective Clothing 	Emergency Overview Clear. Blue. Liquid. DANGER. CORROSIVE. CAUSES EYE AND SKIN BURNS. HARMFUL OR FATAL IF SWALLOWED.	

Section 1. Chemical Product and Company Identification

Product Name	ADVANCE TECH BUILT LIQUID LAUNDRY DETERGENT	Code	3318532 & 3318541
Product Use	Industrial/Institutional	PMS#	Not available.
MSDS#	F-00499001	Validation Date	3/19/2004
U.S. Headquarters JohnsonDiversey, Inc. 8310 16th Street Sturtevant, Wisconsin 53177-0902 Phone: (888) 352-2249 MSDS Internet Address: www.johnsondiversey.com	Canadian Headquarters JohnsonDiversey - Canada, Inc. 2401 Bristol Circle Oakville, Ontario L6H 6P1 Phone: 1-800-668-3131	Print Date	3/19/2004
		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
Alcohol Ethoxylate Sodium silicate	68002-97-1 1344-09-8	5-10 1-5	Not available. Not available.	Not available. ORAL (LD50): Acute: 1960 mg/kg [Rat]. DERMAL (LD50): Acute: >4640 mg/kg [Rabbit].
Water Isopropyl Alcohol	7732-18-5 67-63-0	30-60 1-5	Not available. 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)	Not available. 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].

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Mono Decylether	37251-67-5	1-5	Not available.	Not available.
Mono Octylether	37311-02-7	1-5	Not available.	Not available.
Sodium Xylene Sulfonate	1300-72-7	5-10	Not available.	Not available.
Monoethanolamine	141-43-5	1-5	OSHA (United States). TWA: 8 mg/m ³ STEL: 15 mg/m ³ ACGIH (United States). TWA: 7.5 mg/m ³ STEL: 15 mg/m ³ ACGIH TLV (United States, 2003). Notes: STEL: 15 mg/m ³ 15 minute(s). STEL: 6 ppm 15 minute(s). TWA: 7.5 mg/m ³ 8 hour(s). TWA: 3 ppm 8 hour(s). OSHA PEL (United States, 1993). Notes: TWA: 6 mg/m ³ 8 hour(s). TWA: 3 ppm 8 hour(s) 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 OSHA PEL 1989 (United States, 1989). Notes: CEIL: 2 mg/m ³	ORAL (LD50): Acute: 1720 mg/kg [Rat]. 620 mg/kg [Guinea pig]. 700 mg/kg [Mouse]. DERMAL (LD50): Acute: 1018 mg/kg [Rabbit].
Potassium Hydroxide	1310-58-3	5-10	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 OSHA PEL 1989 (United States, 1989). Notes: CEIL: 2 mg/m ³	ORAL (LD50): Acute: 273 mg/kg [Rat]. 273 mg/kg [Male. Rat].
Potassium Dodecylbenzene Sulfonate	27177-77-1	5-10	Not available.	Not available.
Potassium citrate	866-83-1	1-5	Not available.	Not available.

Section 3. Hazards Identification

Routes of Entry Skin Contact. Eye contact. Inhalation.

Potential Acute Health Effects

Eyes Corrosive. May cause permanent damage including blindness.

Skin Corrosive. May cause permanent damage.

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

Ingestion May cause abdominal discomfort, nausea, vomiting and diarrhea. Corrosive. May cause burns to mouth, throat and stomach.

Medical Conditions Aggravated by Overexposure: Individuals with chronic respiratory disorders such as asthma, chronic bronchitis, emphysema, etc., 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 immediately.

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. Never give anything by mouth to an unconscious person. Get medical attention immediately.

Notes to Physician

Section 5. Fire Fighting Measures

Flammability of the
Product
Flash Points

Products of Combustion
Fire Fighting Media
and Instructions

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, 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. FOR COMMERCIAL AND INSTITUTIONAL 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>	Protective footwear.
<i>Body</i>	If major exposure is possible, wear suitable protective clothing and footwear.

Section 9. Physical and Chemical Properties

Physical State and Appearance	Liquid.
Color	Clear. Blue.
pH	13 (Conc. (% w/w): 100) [Basic.]
Specific Gravity	1.125
Boiling/Condensation Point	100°C (212°F)
VOC	66.25 g/l
Solubility in water	Not available.

Section 10. Stability and Reactivity

Stability and Reactivity The product is stable.

Conditions of Instability None known.

Incompatibility with Various Substances Reactive with oxidizing agents, acids.

Hazardous Decomposition Products None known.

Hazardous Polymerization Will not occur.

Section 11. Toxicological Information

Acute toxicity Estimated to be between 1000 and 2500 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 Undiluted product is regulated under environmental and transportation laws as a corrosive waste. Dispose of according to all federal, state and local applicable 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.
DOT Class Not available.
DOT Special Considerations - Not applicable.

TDG Classification

TDG Proper Shipping Name Please refer to the Bill of Lading/receiving documents for up to date shipping information.
TDG Class Not applicable.
TDG Special Considerations - Not applicable.

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: Isopropyl Alcohol, Monoethanolamine, Potassium hydroxide
SARA 311/312 MSDS distribution - chemical inventory - hazard identification: Isopropyl Alcohol, Monoethanolamine, Potassium hydroxide
SARA 313 toxic chemical notification and release reporting: Isopropyl Alcohol
Clean Water Act (CWA) 311: Potassium hydroxide
CERCLA: Hazardous substances.: Isopropyl Alcohol, Potassium hydroxide

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

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.

Section 16. Other Information

Other Special Considerations Not available.

Version 1

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