



# ADVANCE LIQUID PRESOAK

National Fire Protection Association (NFPA)	Fire Hazard		Hazardous Material Information System (HMIS)	Health	3	
	Health			3	Fire Hazard	0
	Reactivity			0	Reactivity	0
Protective Clothing 		Emergency Yellow. Liquid. See Section 9.				
		Overview DANGER. CORROSIVE. CAUSES EYE AND SKIN BURNS. HARMFUL OR FATAL IF SWALLOWED.				

Section 1. Chemical Product and Company Identification					
Product Name	ADVANCE LIQUID PRESOAK			Code	3318330
Product Use	Industrial/Institutional: Industrial/Institutional			PMS#	
MSDS#	F-00477001			Validation Date	3/12/2004
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		3/12/2004	
		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
Water	7732-18-5	30-60	Not available.	Not available.
Sodium hypochlorite, solution (Cl)	7681-52-9	1-5		ORAL (LD50): Acute: 5800 mg/kg [Mouse]. 8910 mg/kg [Rat]. DERMAL (LD50): Acute: >10000 mg/kg [Rabbit]. VAPOR (LC50): Acute: >10500 mg/m <sup>3</sup> 1 hour(s) [Rat].
Potassium Hydroxide	1310-58-3	5-10	<b>OSHA (United States).</b> CEIL: 2 mg/m <sup>3</sup> <b>ACGIH (United States).</b> STEL: 2 mg/m <sup>3</sup> <b>ACGIH TLV (United States, 2003).</b> <b>OSHA PEL 1989 (United States, 1989). Notes:</b> CEIL: 2 mg/m <sup>3</sup>	ORAL (LD50): Acute: 273 mg/kg [Rat]. 273 mg/kg [Male. Rat].
Sodium silicate	1344-09-8	5-10	Not available.	ORAL (LD50): Acute: 1960 mg/kg [Rat]. DERMAL (LD50): Acute: >4640 mg/kg [Rabbit].
Sodium tripolyphosphate (332074)	7758-29-4	1-5	Not available.	ORAL (LD50): Acute: 3120 mg/kg [Rat]. 3100 mg/kg [Mouse]. DERMAL (LD50): Acute: >4640 mg/kg [Rabbit].

**Section 3. Hazards Identification**

<b>Routes of Entry</b>	Skin Contact. EYE CONTACT. INHALATION.
<b>Potential Acute Health Effects</b>	<p><i>Eyes</i> Corrosive. May cause permanent damage including blindness.</p> <p><i>Skin</i> Corrosive. May cause permanent damage.</p> <p><i>Inhalation</i> May cause irritation and corrosive effects to nose, throat and respiratory tract.</p> <p><i>Ingestion</i> May cause abdominal discomfort, nausea, vomiting and diarrhea. Corrosive. May cause burns to mouth, throat and stomach.</p>
<b>Medical Conditions Aggravated by Overexposure:</b>	Individuals with chronic respiratory disorders such as asthma, chronic bronchitis, emphysema, etc., may be more susceptible to irritating effects.
<b>See Toxicological Information (section 11)</b>	

**Section 4. First Aid Measures**

<b>Eye Contact</b>	Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Get medical attention immediately.
<b>Skin Contact</b>	Flush immediately with plenty of water for at least 15 minutes. Get medical attention immediately.
<b>Inhalation</b>	If breathing is difficult: Remove to fresh air. Get medical attention immediately.
<b>Ingestion</b>	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.

**Section 5. Fire Fighting Measures**

<b>Flammability of the Product</b>	None known.
<b>Flash Points</b>	Open cup: >100°C (212°F) Closed cup: >100°C (212°F).
<b>Products of Combustion</b>	None known.
<b>Fire Fighting Media and Instructions</b>	Extinguish with water spray or carbon dioxide, dry chemical powder or appropriate foam. Normal fire fighting procedure may be used.
<b>Protective Clothing (Fire)</b>	Put on appropriate personal protective equipment (see Section 8).
<b>Special Remarks on Fire and Explosion Hazards</b>	Corrosive material (See sections 8 and 10).

**Section 6. Accidental Release Measures**

<b>Personal Precautions</b>	Put on appropriate personal protective equipment (see Section 8).
<b>Environmental Precautions and Clean-up Methods</b>	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**

<b>Handling</b>	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
<b>Storage</b>	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**

<b>Engineering Controls</b>	Good general ventilation should be sufficient to control airborne levels. Respiratory protection is not required if good ventilation is maintained.
<b>Personal Protection</b>	
<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**

<b>Physical State and Appearance</b>	Liquid.
<b>Odor</b>	Chlorine. (Slight.)
<b>Color</b>	Yellow. (Light.)
<b>pH</b>	13 [Basic.]
<b>Specific Gravity</b>	1.11
<b>Boiling/Condensation Point</b>	102°C (215.6°F)
<b>VOC</b>	0 %
<b>Solubility in water</b>	Soluble

**Section 10. Stability and Reactivity**

<b>Stability and Reactivity</b>	The product is stable.
<b>Conditions of Instability</b>	None known.
<b>Incompatibility with Various Substances</b>	Reactive with acids. Incompatible with copper alloys.Silver
<b>Hazardous Decomposition Products</b>	None known.
<b>Hazardous Polymerization</b>	Will not occur.

**Section 11. Toxicological Information**

<b>Acute toxicity</b>	Estimated to be greater than 5000 mg/kg (rat).
<b>Effects of Chronic Exposure</b>	None known.
<b>Other Toxic Effects</b>	None known.

**Section 12. Ecological Information**

Not available.
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**Section 13. Disposal Considerations**

<b>Waste Information</b>	Undiluted product is regulated under environmental and transportation laws as a corrosive waste. Dispose of according to all federal, state and local applicable regulations
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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.  
**DOT Class**  
**UN/NA**  
**DOT Special Considerations**

**TDG Classification**

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

**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: Potassium hydroxide, Sodium tripolyphosphate  
 SARA 311/312 MSDS distribution - chemical inventory - hazard identification: Potassium hydroxide, Sodium tripolyphosphate  
 Clean Water Act (CWA) 311: Sodium hypochlorite, solution, Potassium hydroxide, Sodium tripolyphosphate  
 CERCLA: Hazardous substances.: Sodium hypochlorite, solution, Potassium hydroxide, Sodium tripolyphosphate

**State** New Jersey spill list: Potassium hydroxide  
 New Jersey: Sodium hypochlorite, solution, Potassium hydroxide, Sodium tripolyphosphate  
 Massachusetts spill list: Potassium hydroxide  
 Massachusetts RTK: Sodium hypochlorite, solution, Potassium hydroxide, Sodium tripolyphosphate  
 Pennsylvania RTK: Sodium hypochlorite, solution, Potassium hydroxide, Sodium tripolyphosphate

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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