


# Material Safety Data Sheet


WHMIS (Pictograms)

WHMIS (Classification)

HCS

	WHMIS Class D-2B: Material causing other toxic effects (TOXIC).	HCS Class: Irritating substance.
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## Section 1. Chemical Product and Company Identification

<b>Product Name/ Trade name</b>	<b>HE Laundry Detergent</b>	<b>Code</b>	606
<b>Synonym</b>	Liquid Laundry Detergent	<b>CAS #</b>	
<b>Chemical Family</b>	Not available.	<b>Validation Date</b>	1/11/2012
<b>Chemical Formula</b>	Not applicable.	<b>Print Date</b>	1/11/2012
<b>Manufacturer/ Supplier</b>	AFFLINK, LLC 1400 AFFLINK Place Tuscaloosa, AL 35406-2289 (888) 395-2206 www.afflink.com/affex	<b>In Case of Emergency</b>	(800) 424-9300
<b>Manufacturer/ Supplier</b>		<b>Protective Clothing</b> 	
<b>TSCA</b>	TSCA Inventory: All components listed or are exempt from listing.		
<b>DSL</b>	DSL : All components listed unless noted elsewhere on this MSDS		

## Section 2. Composition and Information on Ingredients

Name	CAS #	% by Weight	Exposure Limits	LC <sub>50</sub> /LD <sub>50</sub>
Sodium Gluconate	527-07-1	1 - 5	Not available.	Not available.
Surfactant Blend		1 - 5	Not available.	Not available.
Sodium Lauryl Ether Sulfate	68891-38-3	1 - 5	Not available.	Not available.
Detergent Polymer	68479-09-4	1 - 5	Not available.	Not available.
Alcohol Alkoxylate	68439-46-3	1 - 5	Not available.	Not available.
Sodium Tetraborate	11130-12-4	1 - 5	Not available.	Not available.
Coconut Fatty Acid	61788-47-4	1 - 5	Not available.	Not available.

## Section 3. Hazards Identification

<b>Potential Acute Health Effects</b>	Hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, . Non-corrosive for skin. Non-corrosive to the eyes. Non-corrosive for lungs.
<b>Potential Chronic Health Effects</b>	Hazardous in case of skin contact (corrosive, irritant, sensitizer), of eye contact (irritant), of ingestion, of inhalation
<b>Carcinogenic Effects</b>	No known significant effects or critical hazards.

## Section 4. First Aid Measures

<b>Eye Contact</b>	Flush with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids.
<b>Skin Contact</b>	After contact with skin, wash immediately with plenty of water. Seek medical attention.if irritation persists.
<b>Inhalation</b>	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

<b>Ingestion</b>	Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.
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### Section 5. Fire Fighting Measures

<b>Products of Combustion</b>	Not applicable.
<b>Fire Fighting Media and Instructions</b>	Not applicable.
<b>Special Remarks on Fire Hazards</b>	Not available.
<b>Special Remarks on Explosion Hazards</b>	Not available.


### Section 6. Accidental Release Measures

<b>Small Spill and Leak</b>	Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.
<b>Large Spill and Leak</b>	Absorb with an inert material and put the spilled material in an appropriate waste disposal. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.
<b>Personal Protection in Case of a Large Spill</b>	Splash goggles. Full suit. Vapor respirator. Boots. Gloves. A self-contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

### Section 7. Handling and Storage

<b>Precautions</b>	Do not ingest. Do not breathe gas/fumes/ vapor/spray. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes. Keep away from incompatibles such as reducing agents, acids, alkalis.
<b>Incompatibility</b>	Reactive with reducing agents, acids, alkalis.
<b>Storage</b>	Keep container tightly closed. Keep container in a cool, well-ventilated area.

### Section 8. Exposure Controls/Personal Protection

<b>Engineering Controls</b>	Good general ventilation should be sufficient to control airborne levels.
<b>Personal Protection</b>	
<i>Eyes</i>	Safety glasses.
<i>Body</i>	No special protective clothing is required.
<i>Respiratory</i>	A respirator is not needed under normal and intended conditions of product use.
<i>Hands</i>	Gloves.
<b>Protective Clothing (Pictograms)</b>	
<b>Exposure Limits</b>	See Section 2 For Applicable Exposure Limits

### Section 9. Physical and Chemical Properties

<b>Physical State and Appearance</b>	Liquid.	<b>Odor</b>	Pleasant.
<b>Molecular Weight</b>	Not applicable.	<b>Taste</b>	Not available.
<b>pH</b>	7 to 8 [Basic.]	<b>Color</b>	Blue.
<b>Boiling/Condensation Point</b>	100°C (212°F)		
<b>Melting/Freezing Point</b>	May start to solidify at 0°C (32°F) based on data for: Water. Weighted average: -2.93°C (26.7°F)		
<b>Critical Temperature</b>	Not available.		
<b>Instability Temperature</b>	Not available.		
<b>Specific Gravity</b>	1.0378 (Water = 1)		
<b>Vapor Pressure</b>	Not available.		
<b>Vapor Density</b>	>1 (Air = 1)		
<b>Volatility</b>			
<b>VOC</b>	Not available.		
<b>Evaporation Rate</b>	<1 compared to Butyl acetate.		
<b>Dispersion Properties</b>	See solubility in water, methanol, acetone.		
<b>Solubility</b>	Easily soluble in methanol, acetone. Soluble in cold water, hot water.		
<b>The Product is:</b>	Non-flammable.		
<b>Auto-ignition Temperature</b>	Not applicable.		
<b>Flash Points</b>	> 200 F.		
<b>Flammable Limits</b>	Not applicable.		
<b>Fire Hazards in Presence of Various Substances</b>	Not applicable.		
<b>Explosion Hazards in Presence of Various Substances</b>	Not available.		

### Section 10. Stability and Reactivity Data

<b>Stability</b>	The product is stable.
<b>Incompatibility with Various Substances</b>	Reactive with reducing agents, acids, alkalis.
<b>Hazardous Decomposition Products</b>	Not available.

### Section 11. Toxicological Information

<b>Routes of Entry</b>	Dermal contact. Eye contact. Inhalation. Ingestion.
<b>Toxicity to Animals</b>	Not determined.
<b>Acute Effects on Humans</b>	<p><i>Eyes</i> Hazardous in case of eye contact (irritant). Non-corrosive to the eyes.</p> <p><i>Skin</i> Sensitization of the product: Not available. Hazardous in case of skin contact (irritant). Non-corrosive for skin. Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.</p> <p><i>Inhalation</i> Non-corrosive for lungs. May cause sensitization by inhalation.</p> <p><i>Ingestion</i> Hazardous in case of ingestion.</p>
<b>Chronic Effects on Humans</b>	Hazardous in case of skin contact (corrosive, irritant, sensitizer), of eye contact (irritant), of ingestion, of inhalation
<b>Special Remarks on Toxicity to Animals</b>	Not available.
<b>Special Remarks on Chronic Effects on Humans</b>	Not available.

### Section 12. Ecological Information

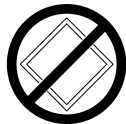
<b>Ecotoxicity</b>	Not available.
<b>BOD5 and COD</b>	Not available.
<b>Products of Biodegradation</b>	These products are carbon oxides (CO, CO <sub>2</sub> ) and water.
<b>Toxicity of the Products of Biodegradation</b>	The products of degradation are less toxic than the product itself.
<b>Special Remarks on the Products of Biodegradation</b>	Not available.

### Section 13. Disposal Considerations

<b>Waste Information</b>	Waste must be disposed of in accordance with federal, state and local environmental control regulations.
<b>Waste Stream</b>	Not available.

### Section 14. Transport Information

**DOT (U.S.A)  
(Pictograms)**



**TDG Classification**

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**PIN UN, Proper Shipping Name, PG** Not applicable.

**Maritime Transportation** Not available.

Special Provisions for Transport Not available.

### Section 15. Other Regulatory Information and Pictograms

WHMIS (Classification) WHMIS Class D-2B: Material causing other toxic effects (TOXIC).



Regulatory Lists None identified.

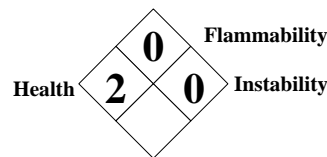
Other Regulations OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

Other Classifications	HCS (U.S.A.)	HCS Class: Irritating substance.
	USA Regulatory Lists	This product does not contain a chemical reportable under California Prop 65.
	DSD (EEC)	This product is not classified according to the EU regulations.
	International Regulations Lists	No products were found.

#### Hazardous Material Information System (U.S.A.)

Health	2
Flammability	0
Physical Hazard	0

National Fire Protection Association (U.S.A.)



The Hazard Ranking systems presented on this MSDS provide only a quick reference for hazard information. The ENTIRE MSDS must be consulted to determine any specific hazards, First Aid measures, and PPE associated with this product. Specific Hazard

### Section 16. Other Information

Validated by LMorsch on 1/11/2012.

Verified by LMorsch.

Printed 1/11/2012.

Information Contact AFFLINK, LLC  
1400 AFFLINK Place  
Tuscaloosa, AL 35406-2289  
(888) 395-2206  
www.afflink.com/affex

#### Notice to Reader:

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Validated on 1/11/2012.

HE Laundry Detergent

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