


Material Safety Data Sheet


WHMIS (Pictograms)

WHMIS (Classification)

HCS

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

Product Name/ Trade name	Phosphate Free Pre-Soak	Code	713
Synonym	Flatware Presoak	CAS #	
Chemical Family	Not available.	Validation Date	1/15/2012
Chemical Formula	Not applicable.	Print Date	1/15/2012
Manufacturer/ Supplier	AFFLINK, LLC 1400 AFFLINK Place Tuscaloosa, AL 35406-2289 (888) 395-2206 www.afflink.com/affex	In Case of Emergency	(800) 424-9300
Manufacturer/ Supplier		Protective Clothing 	
TSCA	TSCA Inventory: All components listed or are exempt from listing.		
DSL	DSL : All components listed unless noted elsewhere on this MSDS		

Section 2. Composition and Information on Ingredients

Name	CAS #	% by Weight	Exposure Limits	LC ₅₀ /LD ₅₀
Sodium Carbonate	497-19-8	1 - 5	Not available.	Not available.
Tetrasodium salt of ethylenediaminetetraacetic acid	64-02-8	1 - 5	Not available.	ORAL (LD50): Acute: 3030 mg/kg [Rat].
Sodium Lauryl Sarcosinate	137-16-6	1 - 5	Not available.	Not available.
n-alkyl (C12-C16)-N, N dimethyl amine oxide	61788-90-7	1 - 5	Not available.	ORAL (LD50): Acute: 4610 mg/kg [Rat].

Section 3. Hazards Identification

Potential Acute Health Effects	Causes eye irritation. Hazardous in case of skin contact (irritant). Inflammation of the eye is characterized by redness, watering, and itching.
Potential Chronic Health Effects	CAUSES EYE AND SKIN IRRITATION. CARCINOGENIC EFFECTS : Not available. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY : Not available.
Carcinogenic Effects	Not classified or listed by IARC, NTP, OSHA, EU and ACGIH.

Section 4. First Aid Measures

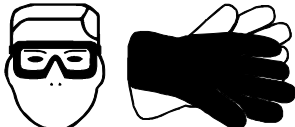
Eye Contact	Hold eye open and rinse slowly and thoroughly with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor immediately for treatment advice.
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Skin Contact	Rinse skin with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for further treatment advice.
Inhalation	Remove from exposure area to fresh air immediately. If breathing has stopped, give artificial respiration. Call medical attendant, doctor, or poison control center immediately.
Ingestion	Call a poison control center immediately for treatment advice. Have person sip a glass of water if able to swallow. Do NOT induce vomiting unless instructed to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

Section 5. Fire Fighting Measures	
Products of Combustion	Not applicable.
Fire Fighting Media and Instructions	Not applicable.
Special Remarks on Fire Hazards	Not available.
Special Remarks on Explosion Hazards	Not available.

Section 6. Accidental Release Measures	
Small Spill and Leak	Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container.
Large Spill and Leak	Absorb with liquid-binding material (sand, diatomite, universal binders, or spill kit). Do not allow any potentially contaminated water including rain water, runoff from fire fighting or spills to enter any waterway, sewer or drain.
Personal Protection in Case of a Large Spill	Splash goggles. Full suit. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Section 7. Handling and Storage	
Precautions	Keep container dry. Do not ingest. Do not breathe gas/fumes/ vapor/spray. 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 oxidizing agents, reducing agents, acids, alkalis.
Incompatibility	Highly reactive with oxidizing agents, reducing agents. Reactive with acids, alkalis.
Storage	Keep container tightly closed. Keep container in a cool, well-ventilated area.

Section 8. Exposure Controls/Personal Protection	
Engineering Controls	Good general ventilation should be sufficient to control airborne levels.
Personal Protection	
<i>Eyes</i>	Splash goggles.
<i>Body</i>	No special protective clothing is required.
<i>Respiratory</i>	A respirator is generally not required for immediate use of the 8 oz. container. Wear appropriate respirator when ventilation is inadequate.
<i>Hands</i>	Gloves.
Protective Clothing (Pictograms)	
Exposure Limits	See Section 2 For Applicable Exposure Limits

Section 9. Physical and Chemical Properties

Physical State and Appearance	Liquid.	Odor	Characteristic.
Molecular Weight	Not applicable.	Taste	
pH	11 to 12.5 [Basic.]	Color	Colorless.
Boiling/Condensation Point	The lowest known value is 100°C (212°F) (Water).		
Melting/Freezing Point	May start to solidify at 0°C (32°F) based on data for: Water.		
Critical Temperature	Not available.		
Instability Temperature	Not available.		
Specific Gravity	1.0472 (Water = 1)		
Vapor Pressure	Not available.		
Vapor Density	Not available.		
Volatility	Not available.		
VOC	0		
Evaporation Rate	Not available.		
Dispersion Properties	See solubility in water, methanol, acetone.		
Solubility	Easily soluble in methanol, acetone. Soluble in cold water, hot water.		
The Product is:	Non-flammable.		
Auto-ignition Temperature	Not applicable.		
Flash Points	Not applicable.		
Flammable Limits	Not applicable.		
Fire Hazards in Presence of Various Substances	Not applicable.		
Explosion Hazards in Presence of Various Substances	Not available.		

Section 10. Stability and Reactivity Data

Stability	The product is stable.
Incompatibility with Various Substances	Highly reactive with oxidizing agents, reducing agents. Reactive with acids, alkalis.
Hazardous Decomposition Products	Not available.

Section 11. Toxicological Information

Routes of Entry	Dermal contact. Eye contact. Inhalation. Ingestion.
Toxicity to Animals	LD50: Not available. LC50: Not available.
Acute Effects on Humans	<i>Eyes</i> (irritant). Inflammation of the eye is characterized by redness, watering, and itching. <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. <i>Inhalation</i> Not available. <i>Ingestion</i> Harmful if swallowed.
Chronic Effects on Humans	CAUSES EYE AND SKIN IRRITATION. CARCINOGENIC EFFECTS : Not available. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS : Not available. DEVELOPMENTAL TOXICITY : Not available.
Special Remarks on Toxicity to Animals	Not available.
Special Remarks on Chronic Effects on Humans	Not available.

Section 12. Ecological Information

Ecotoxicity	Not available.
BOD5 and COD	Not available.
Products of Biodegradation	These products are carbon oxides (CO, CO ₂). Some metallic oxides.
Toxicity of the Products of Biodegradation	Not available.
Special Remarks on the Products of Biodegradation	Not available.

Section 13. Disposal Considerations

Waste Information _____
Waste Stream _____

Section 14. Transport Information

DOT (U.S.A)
(Pictograms)

TDG Classification

PIN UN, Proper Shipping Name, PG
Not regulated.

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 No products were found.

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

Other Classifications HCS (U.S.A.) Irritating material

USA Regulatory Lists

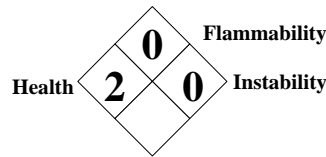
DSD (EEC) This product is not classified according to the EU regulations.

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.

Section 16. Other Information

Validated by LMorsch on 1/15/2012.

Verified by LMorsch.

Printed 1/15/2012.

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

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