Material Safety Data Sheet
AJAX® 2X HE , FAB® 2X HE, DYNAMO® 2X HE
Liquid Laundry Detergent

Rev. Date 10/03/07

SECTION #1 – PRODUCT AND COMPANY IDENTIFICATION

Product: FAB 2X HE Laundry Detergent
Product Description: A water-soluble 2X concentrated consumer liquid laundry detergent.

Phoenix Brands
2855 N. Franklin Rd., #7
Indianapolis, Indiana 46219 USA

Consumer Service Telephone Number: 1-866-794-0800
Emergency Contact: PROSAR IPC
Emergency Phone Number: 1-866-794-0800

SECTION #2 – COMPOSITION, INFORMATION ON INGREDIENTS

INGREDIENTS: Contains cleaning and sudsing agents.

			EXPOSURE LIMITS IN AIR*			
			ACGIH		OSHA	
CHEMICAL NAME	CAS #	TLV	STEL		PEL	STEL
			mg/m^3	mg/m^3		mg/m^3 mg/m^3
Ethanol	64-17-5		1000 ppm			1000 ppm
Linear alkylbenzene sulfonate	25155-30-0		NA			NA
Linear ethoxylated alcohol	68951-67-7		NA			NA
Soda Ash	497-19-8		NA			NA
Formalin	50-00-0		NA			NA

NA = Not Applicable
See Section #16 for DEFINITION OF TERMS

SECTION #3 – HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: CAUTION: Keep out of reach of children. Do not mix with chlorine bleach or other household cleaning products. If product contacts eye, rinse thoroughly with water. If swallowed, drink a glass of water to dilute. Material may be slippery if spilled.
Route of Exposure – Inhalation: While inhalation of a product mist is unlikely, such exposure may cause transient upper respiratory irritation.
Route of Exposure – Skin: No irritation when used according to directions. Possible irritation from prolonged contact to industrial amounts.
Route of Exposure – Eyes: Causes irritation on direct contact.
Route of Exposure – Ingestion: May be harmful if swallowed in large quantities.

SECTION #4 – FIRST AID MEASURES

First Aid – Inhalation: Give the subject access to fresh air. If symptoms do not resolve quickly, seek medical assistance.
First Aid – Skin: Rinse with water. If skin irritation occurs in use, seek medical assistance.
First Aid – Eyes: Flush affected areas with water for at least 15 minutes. Seek medical assistance if required.
First Aid – Ingestion: Not applicable.

Note: If symptoms persist, seek medical attention.

SECTION #5 – FIRE FIGHTING MEASURES

Flash Point: > 200°F (93°C) **Autoignition Temperature:** NA **Flammable Limits (in air, by volume %):** NA
Fire and Explosion Hazards: Product is not flammable. Use appropriate fire extinguishing agent for the packaging material.
Extinguishing Media: **Water Spray:** Yes **Carbon Dioxide:** Yes **Foam:** Yes **Dry Chemical:** Yes **Halon:** Yes
Special Fire Fighting Instructions: None. Product is not combustible. Use appropriate fire extinguishing agent for the packaging material.

SECTION #6 – ACCIDENTAL RELEASE MEASURES

Steps to be Taken in The Event of Spills, Leaks, or Release: Disposal is to be performed in compliance with applicable laws. Small or household quantities may be disposed of in refuse or sewer. For large (industrial) releases, cover with inert, absorbent material and remove to disposal container. Material may be slippery if spilled. Flush with plenty of water.

Waste Disposal Methods: Dispose of unused containers of product in accordance with applicable Federal, State/Provincial, and local regulations.

SECTION #7 – HANDLING AND STORAGE

Work Practices and Hygiene Practices: Use personal protective equipment appropriate for the task.
Storing and Handling Practices: Store in a tightly closed container in a cool, dry, well-ventilated area.
Protective Practices During Maintenance Or Contaminated Equipment: Use personal protective equipment when contact is likely.

SECTION #8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

Ventilation: Use with adequate ventilation. Mechanical ventilation is not required under normal conditions of use.
Eye Protection: Wear eye protection.
Skin Protection: Skin protection is not normally required. If gloves are desired for protection against irritation, water-impervious types (e.g. rubber, PVA, or nitrile) are recommended.
Respiratory Protection: Respiratory protection is not normally required. If this product is used in a manner that generates airborne mist not controlled by ventilation, wear a NIOSH-approved respirator with filters for protection against dusts (type N95 or better). For guidance on the selection and use of respiratory protection, consult American National Standard Z88.2-1992 (ANSI, New York, NY 10036 USA).

SECTION #9 – PHYSICAL AND CHEMICAL PROPERTIES

pH (1% solution): 11.0 – 12.0
Appearance: This liquid is a blue solution.

SECTION #10 – STABILITY AND REACTIVITY

Conditions to Avoid: This product is stable when maintained at room temperature.
Incompatible Materials: Avoid contact with acids and strong oxidizing agents.

SECTION #10 – STABILITY AND REACTIVITY CONTINUED…

Hazardous Decomposition Products: *Hazardous polymerization will not occur.*

SECTION #11 – TOXICOLOGICAL INFORMATION

This product has not been tested as a whole. However, this formula was reviewed by expert toxicologists in the Product Safety Assurance Department and is determined to be safe for its intended use. This review has taken into consideration available safety-related information including information on individual ingredients, similar ingredients, similar formulas and potential ingredient interactions. This review is a component of the hazard determination used to prepare the statements in Section 3 of the MSDS.

SECTION #12 – ECOLOGICAL INFORMATION

No data available. The product is not expected to present an environmental hazard.

SECTION #13 – DISPOSAL CONSIDERATIONS

Dispose of unused containers of product in accordance with applicable Federal, State/Provincial, and local regulations. Empty containers should be triple rinsed before disposal.

SECTION #14 – TRANSPORTATION INFORMATION

This product is not regulated as a DOT hazardous material.

SECTION #15 – REGULATORY INFORMATION

RCRA (40 CFR 261, Subpart D): Not Applicable.
CLEAN WATER ACT: Contains sodium hydroxide which is a Section 311 material.
CLEAN AIR ACT: Contains ethanol and methanol which are Section 111 materials. Methanol is a Section 112 material.
SARA; Sections 301-304 (Threshold planning quantity – TPQ) 40 CFR 355: No TPQ for any component.
Section 313 (Toxic chemical release reporting) 40 CFR 372:
The following chemicals must be reported under SARA 313: Not Applicable.
CERCLA: Section 102 (Reportable Quantity – RQ) 40 CFR 302: Not Applicable
New Jersey Right to Know Hazardous Substance List: This product contains the following components subject to reporting requirements: Ethanol, methanol, sodium hydroxide.

SECTION #15 – REGULATORY INFORMATION CONTINUED…

Pennsylvania Hazardous Substance List: This product contains the following components subject to reporting requirements: Ethanol, methanol, sodium sulfate, sodium hydroxide.
Massachusetts Substance List: This product contains the following components subject to reporting requirements: Ethanol, methanol, sodium sulfate, sodium hydroxide.
Canada: Workplace Hazardous Materials Information System (WHMIS): This product contains the following components subject to reporting requirements: Ethanol.
TSCA Section 8(b) Inventory Status: All ingredients in this product are listed on the TSCA Inventory or are not required to be listed on the TSCA Inventory.

SECTION #16 – OTHER INFORMATION – DEFINITON OF TERMS

A large number of abbreviations and acronyms appear on a MSDS. Some of these which are commonly used include the following: CAS #: This is the Chemical Abstract Service Number which uniquely identifies each constituent. It is used for computer-related searching. EXPOSURE LIMITS IN AIR: ACGIH – American Conference of Governmental Industrial Hygienists, a professional association which establishes exposure limits. TLV – Threshold Limit Value – an airborne concentration of a substance which represents conditions under which it is generally believed that nearly all workers may be repeatedly exposed without adverse effect. The duration must be considered, including the 8-hour Time Weighted Average (TWA), the 15-minute Short Term Exposure Limit (STEL), and the instantaneous Ceiling Limit. Skin adsorption effects must also be considered.
OSHA – U. S. Occupational Safety and Health Administration. PEL – Permissible Exposure Limit – this exposure value means exactly the same as a TLV, except that it is enforceable by OSHA. NIOSH is the National Institute of Occupational Safety and Health, which is the research arm of the U.S. Occupational Safety and Health Administration (OSHA). NIOSH issues exposure guidelines called Recommended Exposure Levels (RELs). FLAMMABILITY LIMITS IN AIR: Much of the information related to fire and explosion is derived from the National Fire Protection Association (NFPA). LEL – the lowest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source. UEL – the highest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source.

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