

# CHURCH & DWIGHT CO., INC.

CONSUMER PRODUCTS • SPECIALTY PRODUCTS



## MATERIAL SAFETY DATA SHEET

MSDS NUMBER: MSDS-095B

ISSUE DATE: 12/01/06

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### 1. PRODUCT AND COMPANY IDENTIFICATION

#### PRODUCT NAME

**ARM & HAMMER® Essentials** (Regular and Concentrate)  
(All scents and scent free)

Church & Dwight Co., Inc.  
469 N. Harrison Street  
Princeton, NJ 08543

**Product Use:** Laundry detergent

**Chemical Name:** Mixture

**Chemical Formula:** Mixture

**Synonyms/Common names:** Detergent

Emergency Phone:

1-800-424-9300

Medical Emergency Phone:

1-888-234-1828

### 2. HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW

Light green scented or clear, colorless unscented (fragrance/dye-free) liquid.  
Moderate to severe skin and eye irritation potential.  
Not a fire hazard; stable.

This product is labeled in accordance with regulations administered by the Consumer Product Safety Commission (CPSC). The use pattern and exposure in the workplace are generally not consistent with those experienced by consumers. The requirements of the Occupational Safety and Health Administration applicable to this MSDS differ from the labeling requirements of the CPSC and, as a result, this MSDS may contain additional health hazard information not pertinent to consumer use and not found on the product label.

#### HMIS Rating

Health	2
Fire	0
Reactivity	0

#### Potential Health Effects

**EYE:** Severe irritant. Can cause injury upon prolonged contact.

**SKIN CONTACT:** Irritant. Prolonged, repeated or occluded contact with concentrated product can cause irritation.

**INGESTION:** Practically non-toxic due to high level of water dilution. Ingestion can cause irritation to mucous membranes and digestive tract, nausea, and abdominal discomfort.

**INHALATION:** If mists are generated, they may cause mucous membrane and upper respiratory irritation.

**SUBCHRONIC EFFECTS/CARCINOGENICITY:** None known. Not listed as carcinogenic by IARC, NTP, OSHA, or ACGIH.



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### 3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical Ingredient</u>	<u>(% by Weight)</u>	<u>CAS Number</u>
Water	80-90%	7732-18-5
Alcohol Ether Sulfate	5-10%	9004-82-4
Sodium carbonate	0-5%	497-19-8
Alcohol Ethoxylate	0-5%	68002-97-1

Workplace Considerations: Contains no other hazardous ingredients at 1% as listed in 29 CFR 1910.

Exempt from OSHA and WHMIS as packaged household consumer products.

### 4. FIRST AID MEASURES

**EYES:** Flush immediately with clean flowing water, low pressure and lukewarm if possible. Flush continuously for 15 minutes, occasionally lifting upper and lower eyelids. Seek medical attention immediately.

**SKIN:** Remove contaminated clothing. Flush exposed areas with water. Seek medical attention if irritation develops and persists.

**INGESTION:** If person is conscious, give two glasses of water to drink. Never give anything orally to an unconscious person. Do not induce vomiting. Seek medical attention.

**INHALATION:** Remove to fresh air. Treat symptomatically.

### 5. FIRE FIGHTING MEASURES

#### FLAMMABLE PROPERTIES

FLASHPOINT: Not combustible

METHOD USED: Not applicable

#### FLAMMABLE LIMITS

LFL: Not applicable

UFL: Not applicable

**EXTINGUISHING MEDIA:** Liquid will not burn. Use extinguishing media for surrounding fire.

**FIRE FIGHTING INSTRUCTIONS:** When heated to decomposition, toxic fumes of CO, NO<sub>x</sub> and SO<sub>x</sub> may be emitted. Wear full Bunker Gear and a self-contained breathing apparatus (SCBA).

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** None known

### 6. ACCIDENTAL RELEASE MEASURES

Prevent eye and skin contact by wearing rubber gloves and goggles.

Spills present a slipping hazard. Close off area of spill to traffic and use caution during cleanup. Make sure area is slip-free before re-opening to traffic.

Large or Small Spills - Contain spill and pick up with absorbent material. Dispose in suitable waste container.

### 7. HANDLING AND STORAGE

Store at ambient temperature. Avoid freezing or excessive heat (direct sunlight, heaters, etc.). Keep containers closed and keep product in original container. Empty containers may contain product residue. Do not reuse container. Avoid contact with product and promptly clean up spills.



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### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

RESPIRATORY PROTECTION: Not normally required.

PROTECTIVE GLOVES: Impervious gloves for handling bulk material and during cleanup of spills.

EYE PROTECTION: Goggles recommended for handling bulk liquid and for cleaning up spills.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Clean full cover clothing is sufficient under normal exposure conditions. Selection of specific items such as aprons, boots, etc., will depend on degree of exposure under other specific use conditions. Local eyewash is recommended.

PROTECTIVE WORK/HYGENIC PRACTICES: No special work requirements with respect to chemical exposure other than those noted above.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Light green or clear, colorless (unscented and dye-free) liquid.

ODOR: Clean fresh scent or unscented as per product label descriptions

PHYSICAL STATE: Liquid

pH AS IS: 11.5 - 12.2

VAPOR PRESSURE: Not determined

VAPOR DENSITY: Not determined

BOILING POINT: Not determined

FREEZING POINT: Not determined

MELTING POINT: Not applicable

SOLUBILITY IN WATER: Complete

SPECIFIC GRAVITY (Water = 1): 1.051 - 1.061

VISCOSITY: 300-600 cP

% VOLATILE: Approximately 80-85% (as water)

VOLATILE ORGANIC COMPOUNDS: approximately 10% as low v.p. organic compounds (>12 carbon atoms; v.p. < 0.1mm Hg).

### 10. STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable.

CONDITIONS TO AVOID: None known.

INCOMPATIBILITY WITH OTHER MATERIALS: None known.

HAZARDOUS DECOMPOSITION PRODUCTS: Decomposition can generate hazardous oxides of carbon, nitrogen, and sulfur.

HAZARDOUS POLYMERIZATION: Will not occur.

### 11. TOXICOLOGICAL INFORMATION

EYE EFFECTS: Expected to be a moderate to severe eye irritant based on composition and product pH of 11.0.

SKIN EFFECTS: Not expected to be a primary irritant based on composition and testing of similar formulations. May be moderately irritating to humans on repeated, prolonged or occluded contact. Not a skin sensitizer based on human patch tests.

ACUTE ORAL EFFECTS: Single dose toxicity expected to be >5g/kg based on testing of similar formulations.

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### 12. ECOLOGICAL INFORMATION

No data available

### 13. DISPOSAL CONSIDERATIONS

Landfill in accordance with all local, state and federal environmental regulations. Dilute and drain small amounts to sewer. Discard empty containers as general trash.

### 14. TRANSPORTATION INFORMATION

D.O.T. SHIPPING NAME: Not regulated

TECHNICAL SHIPPING NAME: ARM & HAMMER® Essentials

D.O.T. HAZARD CLASS: Not a D.O.T. Hazardous Material

U.N./N.A. NUMBER: None

HAZARDOUS SUBSTANCE/RQ: None

D.O.T. LABEL: None

D.O.T. PLACARD: None

### 15. REGULATORY INFORMATION

The ingredients in these products are reported in the EPA TSCA Inventory List.

#### CONSUMER USE

USA: Regulated by the Consumer Product Safety Act and Federal Hazardous Substances Act. As such, these products are exempt from the OSHA requirements under 29 CFR 1910.1200.

CANADA: Regulated by the Hazardous Products Act, and as such, are exempt from WHMIS.

### 16. OTHER INFORMATION

SUPERSEDES DATE: 06/16/06

REASON FOR REVISION: Formula change, GHS Format

For more non-emergency health, safety and environmental information telephone 609.279.7705 or write to:

Church & Dwight Co. Inc.

R & D Technical Regulatory Affairs

469 North Harrison Street

Princeton, New Jersey 08543

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