

CHURCH & DWIGHT CO., INC.

CONSUMER PRODUCTS • SPECIALTY PRODUCTS



MATERIAL SAFETY DATA SHEET

MSDS NUMBER: MSDS-094B

ISSUE DATE: 09/2/08

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1. PRODUCT IDENTIFICATION

PRODUCT NAME

ARM & HAMMER® Concentrated (2X)
Liquid Laundry Detergent
(All Scents, Free and He versions)

Product Use: Laundry detergent

Chemical Name: Mixture

Chemical Formula: Mixture

Synonyms/Common Names: Detergent

COMPANY INFORMATION

Church & Dwight Co., Inc.

469 North Harrison St.

Princeton, New Jersey 08543

Customer Information Phone:

1-800-524-1328 (USA)

Medical Emergency Phone:

1-888-234-1828

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Clear blue scented, or 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. None of the ingredients in these products are listed as carcinogens by IARC, NTP, OSHA, ACGIH or NIOSH.



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3. COMPOSITION/INFORMATION ON INGREDIENTS

Proprietary mixture of plant based ethoxylated alcohols, Alkylbenzenesulfonic acid and fragrance. No other ingredients defined by OSHA 29 CFR 1910.1200

<u>Chemical Ingredients</u>	<u>% By Wt.</u>	<u>CAS Number</u>
Proprietary Mixture	100%	Proprietary

Workplace Considerations: Contains no other hazardous ingredients at 1% or more (and 0.1% for carcinogens) as listed in 29 CFR 1910 or the Hazardous Products Act.

Exempt from OSHA and WHMIS as packaged household consumer products.

4. FIRST AID MEASURES

EYES: Check for and remove contacts if present. Flush immediately and continuously with clean flowing water for 15 minutes, occasionally lifting upper and lower eyelids. Seek medical attention.

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 by mouth 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

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

FIRE FIGHTING INSTRUCTIONS: When heated to decomposition, toxic fumes of CO, NO_x and SO_x may be emitted. Wear full Bunker Gear and a self-contained breathing apparatus (SCBA).

UNUSUAL FIRE AND EXPLOSION HAZARDS: None known

FLAMMABLE LIMITS

LFL: Not applicable

UFL: Not applicable

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.

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

No Occupational Exposure Limits have been established for this material.

RESPIRATORY PROTECTION: Not normally required.

PROTECTIVE GLOVES: Impervious gloves recommended 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 eye wash 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: Clear blue or colorless (dye-free) liquid.

ODOR: Scented 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): 1.023 - 1.032

VISCOSITY: 300-600 cP

VOLATILE ORGANIC COMPOUNDS: Approximately 12% as low v.p. organic compounds

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.

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

Dispose in accordance with all local, state and federal environmental regulations. Dilute and drain small amounts to sewer. Rinse and discard empty containers as general trash, or recycle depending on programs available.

14. TRANSPORTATION INFORMATION

D.O.T. SHIPPING NAME: Not regulated
TECHNICAL SHIPPING NAME: Not applicable
D.O.T. HAZARD CLASS: Not applicable
U.N./N.A. NUMBER: None
HAZARDOUS SUBSTANCE/RQ: None
D.O.T. LABEL: None

15. REGULATORY INFORMATION

The ingredients in these products are reported in the EPA TSCA Inventory List.
The ingredients in this product are not listed as carcinogens or potential carcinogens by NTP, IARC, OSHA, NIOSH, or ACGIH.

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

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

16. OTHER INFORMATION

SUPERSEDES DATE: 10/16/06 REASON FOR REVISION: Formula update, 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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