MATERIAL SAFETY DATA SHEET  
  
ARM & HAMMER(R\*) THE STANDARD OF PURITY(R\*)  
  
CHURCH & DWIGHT CO., INC.  
  
CONSUMER PRODUCTS  
  
SPECIALTY PRODUCTS  
  
MSDS NUMBER: MSDS-094B  
  
ISSUE DATE: 01/21/09

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| **1. PRODUCT IDENTIFICATION** | [http://complyplus.grainger.com/grainger/images/MSDSText_Top.gif](http://complyplus.grainger.com/grainger/msds.asp?sheetid=3890312) |

PRODUCT NAME  
ARM & HAMMER(R\*) 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

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| **2. HAZARDS IDENTIFICATION** | [http://complyplus.grainger.com/grainger/images/MSDSText_Top.gif](http://complyplus.grainger.com/grainger/msds.asp?sheetid=3890312) |

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** | [http://complyplus.grainger.com/grainger/images/MSDSText_Top.gif](http://complyplus.grainger.com/grainger/msds.asp?sheetid=3890312) |

PROPRIETARY MIXTURE OF ETHOXYLATED ALCOHOLS, ALKYLBENZENESULFONIC ACID AND  
FRAGRANCE. NO OTHER INGREDIENTS DEFINED BY OSHA 29 CFR 1910.1200  
  
CHEMICAL INGREDIENTS           % BY WT.            CAS NUMBER  
  
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.

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| **4. FIRST AID MEASURES** | [http://complyplus.grainger.com/grainger/images/MSDSText_Top.gif](http://complyplus.grainger.com/grainger/msds.asp?sheetid=3890312) |

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.

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| **5. FIRE FIGHTING MEASURES** | [http://complyplus.grainger.com/grainger/images/MSDSText_Top.gif](http://complyplus.grainger.com/grainger/msds.asp?sheetid=3890312) |

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, NOx AND SOX MAY BE  
EMITTED. WEAR FULL BUNKER GEAR AND A SELF-CONTAINED BREATHING APPARATUS  
(SCBA).  
  
UNUSUAL FIRE AND EXPLOSION HAZARDS: NONE KNOWN

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| **6. ACCIDENTAL RELEASE MEASURES** | [http://complyplus.grainger.com/grainger/images/MSDSText_Top.gif](http://complyplus.grainger.com/grainger/msds.asp?sheetid=3890312) |

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.

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| **7. HANDLING AND STORAGE** | [http://complyplus.grainger.com/grainger/images/MSDSText_Top.gif](http://complyplus.grainger.com/grainger/msds.asp?sheetid=3890312) |

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** | [http://complyplus.grainger.com/grainger/images/MSDSText_Top.gif](http://complyplus.grainger.com/grainger/msds.asp?sheetid=3890312) |

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/HYGIENIC PRACTICES:  
NO SPECIAL WORK REQUIREMENTS WITH RESPECT TO CHEMICAL EXPOSURE OTHER THAN  
THOSE NOTED ABOVE.

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| **9. PHYSICAL AND CHEMICAL PROPERTIES** | [http://complyplus.grainger.com/grainger/images/MSDSText_Top.gif](http://complyplus.grainger.com/grainger/msds.asp?sheetid=3890312) |

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

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| **10. STABILITY AND REACTIVITY** | [http://complyplus.grainger.com/grainger/images/MSDSText_Top.gif](http://complyplus.grainger.com/grainger/msds.asp?sheetid=3890312) |

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.

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| **11. TOXICOLOGICAL INFORMATION** | [http://complyplus.grainger.com/grainger/images/MSDSText_Top.gif](http://complyplus.grainger.com/grainger/msds.asp?sheetid=3890312) |

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** | [http://complyplus.grainger.com/grainger/images/MSDSText_Top.gif](http://complyplus.grainger.com/grainger/msds.asp?sheetid=3890312) |

NO DATA AVAILABLE

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| **13. DISPOSAL CONSIDERATIONS** | [http://complyplus.grainger.com/grainger/images/MSDSText_Top.gif](http://complyplus.grainger.com/grainger/msds.asp?sheetid=3890312) |

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.

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| **14. TRANSPORTATION INFORMATION** | [http://complyplus.grainger.com/grainger/images/MSDSText_Top.gif](http://complyplus.grainger.com/grainger/msds.asp?sheetid=3890312) |

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

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| **15. REGULATORY INFORMATION** | [http://complyplus.grainger.com/grainger/images/MSDSText_Top.gif](http://complyplus.grainger.com/grainger/msds.asp?sheetid=3890312) |

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.

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| **16. OTHER INFORMATION** | [http://complyplus.grainger.com/grainger/images/MSDSText_Top.gif](http://complyplus.grainger.com/grainger/msds.asp?sheetid=3890312) |

SUPERSEDES DATE: 09/02/08  
  
REASON FOR REVISION: FORMULA UPDATE.  
  
FOR MORE NON-EMERGENCY HEALTH, SAFETY AND ENVIRONMENTAL INFORMATION  
TELEPHONE 609.279.7705 OR WRITE TO:  
CHURCH & DWIGHT CO. INC.  
PRODUCT STEWARDSHIP  
469 NORTH HARRISON STREET  
PRINCETON, NEW JERSEY 08543  
  
THIS PRODUCT SAFETY DATA SHEET IS OFFERED SOLELY FOR YOUR INFORMATION,  
CONSIDERATION AND INVESTIGATION. CHURCH & DWIGHT CO., INC. PROVIDES NO  
WARRANTIES, EITHER EXPRESS OR IMPLIED, AND ASSUMES NO RESPONSIBILITY FOR  
THE ACCURACY OR COMPLETENESS OF DATA CONTAINED HEREIN. CHURCH & DWIGHT CO.,  
INC. URGES PERSONS RECEIVING THIS INFORMATION TO MAKE THEIR OWN  
DETERMINATION AS TO THE INFORMATION SUITABILITY FOR THEIR PARTICULAR  
APPLICATION.  
  
CORPORATE HEADQUARTERS:  
469 NORTH HARRISON STREET  
PRINCETON, NEW JERSEY 08543-5297  
  
PHONE: (609) 683-5900