CHURCH & DWIGHT CO., INC.

CONSUMER PRODUCTS • SPECIALTY PRODUCTS

MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME

ARM & HAMMER® Plus OxiClean Liquid Detergent

Product Use: Laundry detergent
Chemical Name: Mixture
Chemical Formula: Mixture
Synonyms/Common names: Detergent

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

Emergency Phone:
1-800-424-9300
Medical Emergency Phone:
1-888-234-1828)

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Blue scented liquid.
Moderate to severe skin and eye irritation potential. Enzymes may cause an allergic reaction to sensitized individuals. 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. Enzymes may cause an allergic reaction to sensitized individuals.

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

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Ingredient	(% by Weight)	CAS Number
Water	60-80%	7732-18-5
Dodecyl Benzene Sulfonic Acid (DBSA)	1-5%	27176-87-0
Propylene Glycol	2-5%	57-55-6
Alcohol Ether Sulfate	2-5%	9004-82-4
Sodium carbonate	0-5%	497-19-8
Alcohol Ethoxylate	0-8%	68551-12-2
Oleic Acid	0-2%	112-80-1
Sodium Hydroxide	<1.0%	1310-73-2
Enzyme Mixture	0-2%	Mixture

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_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

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.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

RESPIRATORY PROTECTION: Not normally required. This product contains ENZYMES which may cause an allergic reaction to sensitized individuals. An approved respirator may be used during spills
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: Blue liquid.
ODOR: Clean fresh scent
PHYSICAL STATE: Liquid
pH AS IS: 8.5 – 9.5
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): 1.03 - 1.05
VISCOSITY: 200-500 cP
% VOLATILE: None
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. Product is 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.

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

15. REGULATORY INFORMATION

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

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: NEW REASON FOR REVISION: NEW

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

Church & Dwight Co. Inc.
R & D Product Safety Affairs
469 North Harrison Street
Princeton, New Jersey 08543

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