

CH# 89/17000



CHURCH & DWIGHT CO., INC.

CONSUMER PRODUCTS • SPECIALTY PRODUCTS



MATERIAL SAFETY DATA SHEET

MSDS NUMBER: MSDS-700

ISSUE DATE: 03/18/04

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1. PRODUCT IDENTIFICATION

Product Name

ARM & HAMMER® DEODORIZING AIR FRESHENER
(ALL SCENTS)

Emergency Phone:

1-609-683-5900 (U.S.A.)

Medical Emergency Phone:

1-888-234-1828

2. COMPOSITION/INFORMATION ON INGREDIENTS

| <u>Chemical Ingredient</u> | <u>(% by Weight)</u> | <u>CAS Number</u> | <u>OSHA PEL</u> | <u>ACGIH TLV</u> | <u>NTIS CL</u> |
|----------------------------|----------------------|-------------------|-----------------|-------------------|----------------|
| Isobutane | 10-20% | 75-28-5 | NE | NE | NE |
| Propane | 1-10% | 74-98-6 | 1000 ppm | Simple Asphyxiant | NE |
| Ammonium Hydroxide | <1% | 1336-21-6 | NE | NE | 50 ppm |

3. HAZARDS IDENTIFICATION

| EMERGENCY OVERVIEW | |
|--|---|
| Water-based, non-flammable aerosol. No significant health or environmental effects associated with the use of this product. May cause transient irritation or stinging if sprayed in eyes. | |
| CONTENTS UNDER PRESSURE | |
| STORAGE CLASSIFICATION: LEVEL I | |
| HMIS Rating | |
| Health | 0 |
| Fire | 0 |
| Reactivity | 0 |

Potential Health Effects

EYE: Not an eye irritant. Contains fragrance that may cause transient stinging and irritation.

SKIN CONTACT: Not a skin irritant.

INGESTION: Not a primary route of exposure due to containment of product. Concentrate is non-toxic.

INHALATION: Non-toxic via the inhalation route, but may aggravate existing allergic or asthmatic condition.

SUBCHRONIC EFFECTS/CARCINOGENICITY: None known.

4. FIRST AID MEASURES

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EYES: Remove contacts if applicable; flush eyes with clean lukewarm water, low pressure.

SKIN: Rinse overexposed areas thoroughly with water.

INHALATION: If adverse reaction occurs, remove individual to fresh air. Treat symptomatically.

NOTE TO PHYSICIAN: Contains fragrance that may affect certain sensitive individuals or people with allergies. Treatment based on judgement of physician in reaction to patient.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES

FLASHPOINT: Non-flammable

METHOD USED: 16 CFR 1500.45 (Flame Extension)

FLAMMABLE LIMITS

LFL: Not applicable

UFL: Not applicable

EXTINGUISHING MEDIA: Non-flammable. Use extinguishing media appropriate for surrounding fire.

FIRE-FIGHTING INSTRUCTIONS: Wear full protective equipment including face shields, self-contained breathing apparatus (SCBA) and bunker gear. Keep personnel removed and upwind of fire. Cool containers with water spray.

UNUSUAL FIRE AND EXPLOSION HAZARDS: If cans are exposed to fire or temperatures greater than 160°F they will blow apart creating a projectile hazard. Approximately 79% of contents is a water solution.

6. ACCIDENTAL RELEASE MEASURES

Not a likely occurrence. If cans are crushed or punctured and leak contents, use absorbent to soak up and dispose in suitable waste container. May also flush to sewer or other waste water system.

7. HANDLING AND STORAGE

Do not drop, puncture or incinerate cans. Do not store cans above 120°F. Avoid freezing temperatures. Do not store near products that may emit chlorine vapors, such as cleaners or bleach. Aerosol Storage Classification: Level I.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

RESPIRATORY PROTECTION: Not required under normal use conditions.

PROTECTIVE GLOVES: Not required.

EYE PROTECTION: Not required.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Not required.

PROTECTIVE WORK/HYGIENIC PRACTICES: No special requirements under normal use and handling conditions.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Fine aerosol mist of liquid and crystalline particles upon spraying can.

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ODOR: Described on label; various scents.

PHYSICAL STATE: Aerosol

pH AS IS: 9.0 for concentrate.

pH (1% SOLN. w/v): Not applicable.

VAPOR PRESSURE: 60 ± 5 psig @ 70°F.

VAPOR DENSITY: Not applicable.

BOILING POINT: Not applicable.

FREEZING/MELTING POINT: Not applicable.

SOLUBILITY IN WATER: Complete for concentrate.

SPECIFIC GRAVITY (Water = 1): Approximately 1.06 g/cc for concentrate.

% VOLATILE: 90.5%

VOLATILE ORGANIC COMPOUNDS: 21.5%

MOLECULAR WEIGHT: Not applicable - mixture.

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable.

CONDITIONS TO AVOID: Temperatures above 120°F. Open flame.

INCOMPATIBILITY WITH OTHER MATERIALS: Acids.

HAZARDOUS DECOMPOSITION PRODUCTS: None known.

HAZARDOUS POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL INFORMATION

EYE EFFECTS: Not an eye irritant per 16 CFR 1500.42.

SKIN EFFECTS: Not a skin irritant per 16 CFR 1500.41; PDII typically 0.0-1.0 for 24 hour occluded tests.

ACUTE ORAL EFFECTS: Not a primary route of exposure. LD₅₀ of concentrate (water-based solution) was >5 g/kg when tested in accordance with 16 CFR 1500.3.

ACUTE INHALATION EFFECTS: Non-toxic according to 16 CFR 1500.3. LC₅₀ > 200 mg/P.

12. ECOLOGICAL INFORMATION

TOXICITY: No data available

PERSISTENCE: No data available

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BIOACCUMULATION: No data available

13. DISPOSAL CONSIDERATIONS

Do not crush or incinerate cans containing propellant. Empty cans completely (through use-up) and dispose in general trash or recycle. Consult appropriate local, state or federal agency for disposal of large quantities of pressurized cans.

14. TRANSPORTATION INFORMATION

D.O.T. SHIPPING NAME: Consumer Commodity, ORM-D

D.O.T. HAZARD CLASS: ORM-D

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

HAZARDOUS SUBSTANCE/RQ: Not Applicable

D.O.T. LABEL: Consumer Commodity, ORM-D

D.O.T. PLACARD: None

15. REGULATORY INFORMATION

The ingredients in this product are listed in the EPA TSCA Inventory List.

The ingredients in this product are not listed as carcinogens by NTP, IARC, OSHA or ACGIH.

16. OTHER INFORMATION

SUPERCEDES: 09/05/02 REASON FOR REVISION: 16 Section format conversion and ecological information.

For additional 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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