

CHURCH & DWIGHT CO., INC.

CONSUMER PRODUCTS • SPECIALTY PRODUCTS

MATERIAL SAFETY DATA SHEET



MSDS NUMBER: MSDS-654

ISSUE DATE: 03/07/07

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1. PRODUCT IDENTIFICATION

Product Name

ARRID® Total Spray
(All Scents – High-East and Low-West VOC Formulations)

Emergency Phone:

1-800-524-1328
416-444-5241 (CAN.)

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>EXPOSURE LIMITS</u>	
			<u>OSHA</u>	<u>ACGIH</u>
Aluminum Chlorohydrate	10 - 15%	12042-91-0	Not Established	Not Established
Isobutane (High VOC Formula)	40 - 50%	75-28-5	Not Established	Not Established
Propane (High VOC Formula)	10 - 15%	74-98-6	1000 ppm	2500 ppm

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Value without Burden

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n-Butane (Low VOC Formula)	30 - 40%	106-97-8	Not Established	800 ppm
1,1 Difluoroethane (Low VOC Formula)	15 - 20%	75-37-6	Not Established	Not Established

Workplace Considerations: Contains no other hazardous ingredients at 1% or more (and 0.1% for carcinogens) as per 29 CFR 1910 Subpart Z.

Exempt from OSHA and WHMIS as a packaged consumer drug and cosmetic product.

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Flammable aerosols.
Inhaling contents in concentrated form may produce drowsiness and upper respiratory discomfort.
No significant health or environmental effects associated with normal consumer use of this product.
May cause transient irritation or stinging if sprayed in eyes.

FLAMMABLE. CONTENTS UNDER PRESSURE

STORAGE CLASSIFICATIONS: LEVEL II (Low VOC Formula) / LEVEL III (High VOC Formula)

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	HMIS RATING		
	Health	1	
	Fire	3	
	Reactivity	0	

Potential Health Effects

EYE: May be slightly irritating, but will not cause injury.

SKIN CONTACT: Not a skin irritant or contact sensitizer. Contact with propellant may cause frostbite.

INGESTION: Not a primary route of exposure due to containment of product.

INHALATION: None expected under normal use conditions. Inhalation of high concentrations may result in drowsiness and respiratory discomfort.

SUBCHRONIC EFFECTS/CARCINOGENICITY: None known.

4. FIRST AID MEASURES

EYES: Check for and remove contacts. Immediately flush eyes with clean flowing water, low pressure and lukewarm if possible, occasionally lifting upper and lower eyelids. Seek medical attention if irritation develops.

SKIN: No first aid should be needed under normal handling conditions. It is good workplace practice to wash exposed areas thoroughly with soap or mild detergent and a large amount of water. If irritation develops, or if burns from propellant frostbite are present, seek medical attention.

INGESTION: Not a primary route of exposure. If ingestion should occur, give water to drink and treat symptomatically. Never give anything orally to an unconscious person.

INHALATION: If over-exposure occurs, remove person from area of exposure. Seek medical attention if irritation persists.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES

FLASHPOINT: 138° F, Flammable

METHOD USED: 16 CFR 1500.45 (Flame Extension)

FLAMMABLE LIMITS

LFL: Not determined

UFL: Not determined

EXTINGUISHING MEDIA: Carbon dioxide, water fog or foam, or dry chemical are recommended.

FIRE-FIGHTING INSTRUCTIONS: Wear a self-contained breathing apparatus (SCBA) and full protective equipment (Bunker Gear). Cool containers with water spray.

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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. Flashback along vapor trail may occur.

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition may generate carbon monoxide, carbon dioxide, and hydrogen chloride.

6. ACCIDENTAL RELEASE MEASURES

Not a likely occurrence. If cans are crushed or punctured and leak contents, avoid ignition sources. Wear suitable personal protective equipment as described in Section 8. Use absorbent to soak up spilled concentrate and place in suitable waste containers for disposal.

For all releases, clean residues thoroughly using appropriate technique (solvent or detergent washes, or steam) to prevent slippery surfaces. Make sure area is clean and slip-free before reopening to traffic.

7. HANDLING AND STORAGE

Do not drop, puncture or incinerate cans. Do not store near heat sources or open flame. Do not expose cans to temperatures above 120°F. Avoid freezing temperatures. Do not store near products that may emit chlorine vapors, such as cleaners or bleach as they may cause the cans to rust.

Aerosol Storage Classifications: Level II (Low VOC Formula) and Level III (High VOC Formula).

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE CONTROLS: Not established for these products. Refer to Section 2 for ingredient exposure limits.

RESPIRATORY PROTECTION: Not normally required. If excessive exposure to vapor or mist occurs, use a NIOSH/MSHA approved respirator with an organic vapor/mist cartridge.

PROTECTIVE GLOVES: Not normally required. Rubber gloves recommended for workplace exposure to liquefied propellant.

EYE PROTECTION: Not required under normal use conditions. Goggles and face shield should be worn if exposed to workplace can gassing and hot water bath operations.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: No special requirements.

PROTECTIVE WORK/HYGIENIC PRACTICES: No special requirements with respect to the aerosol product beyond those described above. Specific requirements with respect to equipment and filling operations are the responsibility of the filler/packager. Use good hygienic practices in the workplace.

9. PHYSICAL AND CHEMICAL PROPERTIES

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APPEARANCE: Spray concentrate is off-white to light tan liquid suspension. Fine aerosol mist is expelled when valve actuator is depressed.

ODOR: As described on product label.

PHYSICAL STATE: Two phase aerosol in a pressurized stainless steel can.

pH AS IS: Not applicable

VAPOR PRESSURE @ 70°F: 42-65 psig range for both formulations.

VAPOR PRESSURE @ 130°F: 115 psig minimum (Low VOC Formula); 125 psig minimum (High VOC Formula).

VAPOR DENSITY: Not determined.

BOILING POINT: Not applicable.

FREEZING/MELTING POINT: Not applicable.

SOLUBILITY IN WATER: Not determined.

SPECIFIC GRAVITY (Water = 1): Not determined.

TOTAL HVOC: 40% maximum (Low VOC Formula); 60% maximum (High VOC Formula).

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable

CONDITIONS TO AVOID: Heat sources and open flame. Temperatures above 120°F.

INCOMPATIBILITY WITH OTHER MATERIALS: Oxidizing materials.

HAZARDOUS DECOMPOSITION PRODUCTS: Decomposition may generate carbon monoxide, carbon dioxide, hydrofluoric acid (Low VOC Formula), and hydrogen chloride.

HAZARDOUS POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL INFORMATION

EYE EFFECTS: No specific information available. Products present a slight irritation potential on contact with eyes.

SKIN EFFECTS: The products were non-sensitizing in human Repeat Insult Patch Tests, and exhibited no significant irritation.

ACUTE ORAL EFFECTS: Not a likely route of exposure. Information on ingredients indicates a potentially low level of toxicity with possible irritation of the alimentary tract if contents are somehow ingested.

INHALATION EFFECTS: No specific data. Over-exposure may cause coughing or choking. Exposure to high concentrations of product may cause drowsiness or lethargy.

12. ECOLOGICAL INFORMATION

No data available.

13. DISPOSAL CONSIDERATIONS

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Do not crush or incinerate cans containing propellant. Empty cans completely through use-up or proper industrial can evacuation practices. Dispose of empty cans in general trash or recycle where programs exist. 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

TECHNICAL SHIPPING NAME: Aerosols, Flammable

D.O.T. HAZARD CLASS: 2.1

U.N./N.A. NUMBER: 1950

HAZARDOUS SUBSTANCE/RQ: Not Applicable

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

D.O.T. PLACARD: Not Applicable

15. REGULATORY INFORMATION

USA: Regulated by Federal Food, Drug and Cosmetic Act, 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 Food and Drugs Act, Consumer Packaging and Labeling Act, and Hazardous Products Act, and as such, are exempt from WHMIS.

TSCA: The components of these products are reported in the TSCA inventory.

RCRA: If these materials become waste, they do not meet the definition of a hazardous waste by listing or characteristic.

CERCLA REPORTABLE QUANTITY: These products contain no components subject to reporting requirements.

SARA TITLE III:

Section 302, Extremely Hazardous Substances: None

Section 311/312, Hazardous Categories: Flammable; Sudden release of pressure (compressed gas).

Section 313, Toxic Chemicals: None

16. OTHER INFORMATION

SUPERSEDES DATE: 02/02/04

REASON FOR REVISION: SBU Change

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

CORPORATE HEADQUARTERS: 469 North Harrison street • Princeton, New Jersey 08543-5297 • Phone (609) 683-5900

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Princeton, New Jersey 08543

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