



MATERIAL SAFETY DATA SHEET

MSDS NUMBER: MSDS-662

ISSUE DATE: 09/04/08

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1. PRODUCT IDENTIFICATION

Customer Information:

1-800-524-1328

Product Name

Arm & Hammer

ULTRAMAX Invisible Solid Antiperspirant and Deodorant
ULTRAMAX Clinical Invisible Solid (All Scents)

Medical Emergency Phone:

1-888-34-1828

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

GENERAL-PRODUCT

White to off-white/light tan waxy solid. May be scented or unscented according to product label.
No significant health or environmental concerns.

MANUFACTURING

Stick formula poses a slight fire and health hazard during batch processing due to the heat requirement. Care should be taken to avoid static and thermal sparks, and open flame. Molten product may cause burns if splashed on skin or in eyes, and vapors from elevated temperature may cause respiratory irritation.

Potential Health Effects

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

SKIN CONTACT: Not a skin irritant or contact sensitizer.

INGESTION: Ingestion of small amounts (several grams) not likely to cause injury. Ingestion of large amounts may cause abdominal discomfort.

INHALATION: Not a route of exposure under normal product use conditions. Vapors from heated product may cause upper respiratory irritation.

SUBCHRONIC EFFECTS/CARCINOGENICITY: None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Ingredient | (% by Weight) | CAS Number | EXPOSURE LIMITS | |
|---|---------------|-------------|--|--------------------------|
| | | | OSHA | ACGIH |
| Aluminum Zirconium Tetrachlorohydrate Glycine (Zirconium and compounds) (Glycine) | 20-25% | 98106-52-6 | Not Established | Not Established |
| | | 7440-67-7 | 5mg/m ³ as Zr | 5mg/m ³ as Zr |
| | | 56-40-6 | Not Established | Not Established |
| Talc | 1.0-5.0% | 14807-96-6 | 20 mppcf | 2 mg/m ³ |
| Fumed Silica, crystalline-free | 0.1-2.0% | 112945-52-5 | 80mg/m ³ %SiO ₂ | 10mg/m ³ |

Workplace Considerations: Contains no other hazardous ingredients at 1% or more as per 29 CFR 1910.1200.

Exempt from OSHA and WHMIS as packaged consumer drug and cosmetic products.



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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 contact with molten product burns skin, seek medical attention.

INGESTION: If large amounts are ingested, seek medical attention. 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: Not determined

METHOD USED: NA

FLAMMABLE LIMITS

LFL: Not determined

UFL: Not determined

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

FIRE-FIGHTING INSTRUCTIONS: Wear a self-contained breathing apparatus (SCBA) and full protective equipment.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Vapors heavier than air can travel along the ground to remote areas and may be ignited by static electric or thermal sparks and open flame.

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

6. ACCIDENTAL RELEASE MEASURES

Wear suitable personal protective equipment as described in Section 8.

Scoop solid material into suitable waste containers for disposal. Molten spills should be contained and allowed to cool before scooping into waste container.

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

7. HANDLING AND STORAGE

Wear appropriate personal protective equipment when handling bulk product (See Section 8). Store bulk material for rework in suitable containers with closures. Keep containers and cases closed and store product at room temperature. Avoid temperatures above 100°F.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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

RESPIRATORY PROTECTION: Use an organic vapor type respirator during stick manufacture when batches are heated.

PROTECTIVE GLOVES: Impermeable gloves recommended for bulk operations with molten material. General purpose recommended for handling solid product.



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EYE PROTECTION: Safety glasses at minimum when handling solid product. Chemical splash goggles for handling liquid or molten material.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: No special requirements.

PROTECTIVE WORK/HYGIENIC PRACTICES: No special requirements regarding chemical or product exposure beyond those described above. Use good hygienic practices in the workplace.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: White to off-white/light tan waxy solid (sticks) or milky white liquid (roll-on)

ODOR: According to product label

PHYSICAL STATE: Solid (stick) or liquid (roll-on)

pH AS IS: NA

pH (SOLN.): NA

VAPOR PRESSURE: Not determined

VAPOR DENSITY: Not determined

BOILING POINT: Not determined

FREEZING/MELTING POINT: Stick product melts at approximately 122°F

SOLUBILITY IN WATER: Not determined

DENSITY (g/cc): Approximately 1.10 - 1.15

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable

CONDITIONS TO AVOID: Temperatures above 100°F for finished products.

INCOMPATIBILITY WITH OTHER MATERIALS: May react with strongly alkaline or oxidizing materials.

HAZARDOUS DECOMPOSITION PRODUCTS: Decomposition may generate carbon monoxide, carbon dioxide, silicon dioxide, and hydrogen chloride.

HAZARDOUS POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL INFORMATION

EYE EFFECTS: No specific information available. Products present a minor irritation potential.

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

ACUTE ORAL EFFECTS: No product information available. Information on ingredients indicate a potentially low level of toxicity with possible irritation of the alimentary tract.

INHALATION EFFECTS: Not tested. Not a primary route of exposure under normal product use conditions.

12. ECOLOGICAL INFORMATION

No Data Available

13. DISPOSAL CONSIDERATIONS

Landfill is the recommended method of bulk waste disposal. Any disposal practice must be in compliance with local, state and federal regulations. Local and state laws may be different than federal. Be sure to consult with local and state agencies for specific rules.

Under conditions of normal consumer use, the product is intended for use-up. Single units can be disposed of in trash. Empty containers can be discarded or recycled where programs exist.



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14. TRANSPORTATION INFORMATION

D.O.T. SHIPPING NAME: Not regulated

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 this product 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: None

Section 313, Toxic Chemicals: None

16. OTHER INFORMATION

SUPERSEDES DATE: 01/18/08

REASON FOR REVISION: Name addition

For additional 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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