

MATERIAL SAFETY DATA SHEET

MSDS B-106 REVISION 4

DISTRIBUTED BY:

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SUBSTANCE IDENTIFICATION

SUBSTANCE: ROLL-ON ANTIPERSPIRANT

TRADE NAMES/SYNONYMS: **DIAL ROLL-ON ANTIPERSPIRANT, CMD: REGULAR SCENT, UNSCENTED, and POWDER FRESH SCENT**

CHEMICAL FAMILY: Mixture

I.D. NUMBERS: 903638 (Scented), 903639 (Unscented), 903640 (Powder Fresh)

NFPA RATINGS (Scale 0-4, where 4=high degree of hazard): HEALTH=1 FLAMMABILITY=1 REACTIVITY=0

HMIS RATINGS (Scale 0-4, where 4=severe hazard): HEALTH=0 FLAMMABILITY=1 REACTIVITY=0

This product is labeled in accordance with guidelines set forth in the Food, Drug, and Cosmetic Act. 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 Material Safety Data Sheet may differ from the requirements of the FD & C Act and as a result, this MSDS may contain additional health hazard information not pertinent to consumer use and not found on the product label.

HAZARDOUS INGREDIENT INFORMATION

COMPONENT: ALUMINUM STARCH OCTENYLSUCCINATE CAS# 9087-61-0

COMPONENT: ALUMINUM ZIRCONIUM TETRACHLOROXYDREX GLY CAS# 90604-80-1

ZIRCONIUM COMPOUNDS (as Zr):

5 mg/m³ OSHA and ACGIH TWAs; 10 mg/m³ OSHA and ACGIH STELS

ALUMINUM, SOLUBLE SALTS, (as Al):

2 mg/m³ ACGIH TWA

NOTE: OSHA revoked the final rule exposure limits of January 19, 1989 in response to the 11th Circuit Court of Appeals decision (AFL-CIO v. OSHA) effective June 30, 1993. See CFR 1910.1000 (58 FR 35338).

Carcinogen status of components: Not listed as carcinogens by NTP, IARC, or OSHA.

PHYSICAL AND CHEMICAL DATA

DESCRIPTION: Off-white liquid with a pleasant fragrance. pH: 4.2 max. as is @ 25°C

BOILING POINT: >200 °F (>93°C)

VISCOSITY: 100-600 cps (Microviscometer, 10 rpm @ 25°C)

FIRE AND EXPLOSION DATA

FIRE AND EXPLOSION HAZARD - The fire hazard for this product has not been determined. The hazard(s) of the component(s) with the most severe hazard(s) are:

Slight fire hazard when exposed to heat or flame.

FIRE FIGHTING MEDIA - Dry chemical or carbon dioxide. For larger fires, use water spray, fog or regular foam.

FIRE FIGHTING - Move container from fire area if you can do it without risk. Do not scatter spilled material with high-pressure water streams. Dike fire-control water for later disposal. Use agents suitable for type of surrounding fire. Avoid breathing hazardous vapors, keep upwind.

HEALTH HAZARD DATA

NOTE: The acute health effects described below are those which could potentially occur for the finished product. They are based on the toxicology information available for the finished product and/or each hazardous ingredient, and are consistent with the product type and the likelihood of a specific route of exposure. Known chronic health effects related to exposure to a specific ingredient are indicated.

ACUTE HEALTH EFFECTS:

INHALATION: Unlikely to occur due to the physical properties of the product.

SKIN CONTACT: Repeated or prolonged excessive exposure may cause irritation or sensitization dermatitis in previously exposed individuals.

EYE CONTACT: May cause irritation.

INGESTION: May cause gastrointestinal irritation with nausea, vomiting and diarrhea.

CHRONIC HEALTH EFFECTS: Although unlikely to occur given the nature of the finished product, the following effects have been reported for one of the product's components.

Inhalation of zirconium salts may elicit allergic reactions in sensitive persons, and may cause sarcoid-like granulomas in the lungs.

MEDICAL CONDITIONS GENERALLY RECOGNIZED AS BEING AGGRAVATED BY EXPOSURE: Pre-existing skin conditions.

EMERGENCY AND FIRST AID PROCEDURES

INHALATION: Immediately remove from exposure area to fresh air. Keep affected person warm and at rest. Treat symptomatically and supportively. Contact physician or local poison control center. If breathing has stopped, give artificial respiration, and get medical attention immediately.

SKIN CONTACT: Rinse affected area with mild soap and water until no evidence of product remains. Discontinue exposure. Get medical attention if irritation persists.

EYE CONTACT: Immediately rinse eyes with plenty of water, occasionally lifting upper and lower lids, until no evidence of product remains. Get medical attention if pain or irritation persist.

INGESTION: Treat symptomatically and supportively. Maintain airway and respiration. If vomiting occurs, keep head below hips to prevent aspiration. Dilution by rinsing the mouth and giving water or milk to drink is generally recommended. If unconscious, the victim should not be given anything to drink. Contact physician or local poison control center.

REACTIVITY

REACTIVITY - Stable under normal temperatures and pressures.

INCOMPATIBILITIES: Strong oxidizers, alkalies, acids.

DECOMPOSITION - Thermal decomposition may release toxic and/or hazardous gases.

POLYMERIZATION - Hazardous polymerization has not been reported to occur under normal temperatures and pressures.

STORAGE AND DISPOSAL

Store away from incompatible substances. Observe all federal, state and local regulations when storing or disposing of this product.

CONDITIONS TO AVOID

May burn but does not ignite readily. Avoid contact with incompatible substances and excessive heat.

SPILL AND LEAK PROCEDURES

OCCUPATIONAL SPILL - Stop leak if you can do it without risk. For small spills, take up with sand or other absorbent material and place into clean, dry containers for later disposal. For larger spills, dike far ahead of spill for later disposal. Keep unnecessary people away. Isolate hazard area and deny entry.

OCCUPATIONAL PROTECTIVE EQUIPMENT

VENTILATION - Provide local exhaust ventilation to meet permissible exposure limits where generation of dust or aerosols is likely to occur.

RESPIRATOR - Air contamination monitoring should be carried out where generation of dust or aerosols is likely to occur, to assure that the employees are not exposed to harmful concentrations exceeding permissible exposure limits. If respiratory protection is required, it must be based on the contamination levels found in the workplace, must not exceed the working limits of the respirator and be jointly approved by the National Institute for Occupational Safety and Health and the Mine Safety and Health Administration (NIOSH-MSHA).

FOR FIRE FIGHTING AND OTHER IMMEDIATELY DANGEROUS TO LIFE OR HEALTH CONDITIONS -

Any self-contained breathing apparatus that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode. Any supplied-air respirator that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode in combination with an auxiliary self-contained breathing apparatus operated in pressure-demand or other positive-pressure mode.

CLOTHING - Protective clothing is required where repeated or prolonged skin contact may occur.

GLOVES - Chemical-resistant gloves are required where repeated or prolonged skin contact may occur.

EYE PROTECTION - Splash-proof safety glasses are required to prevent eye contact where splashing of product may occur.

REGULATORY INFORMATION

DOT FLAMMABILITY CLASSIFICATION: Not applicable.

EPA - SARA TITLE III SECTION 313: Toxic chemical: Not applicable - Consumer product.

TSCA: All components of this product are listed or are
exempted or excluded from listing on the U.S. Toxic Substances
Control Act (TSCA) chemical substance inventory.

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REVISION: Updated Medical Emergency Number.