

# MATERIAL SAFETY DATA SHEET

## MSDS W-126 REVISION 1

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### SUBSTANCE IDENTIFICATION

SUBSTANCE: INSTITUTIONAL AND COMMERCIAL

TRADE NAMES/SYNONYMS: **RENUZIT AIR DEODORIZER: POWDER ROOM, COUNTRY SPRING, AFTER THE RAIN**

CHEMICAL FAMILY: Mixture

I.D. NUMBERS: 911011-A (Powder Room), 911011-B (Country Spring), 911011-C (After the Rain).

NFPA RATINGS (Scale 0-4, where 4=high degree of hazard): HEALTH=1 FLAMMABILITY=2 REACTIVITY=1  
HMIS RATINGS (Scale 0-4, where 4=severe hazard): HEALTH=1 FLAMMABILITY=2 REACTIVITY=1

This product is labeled in accordance with regulations administered by the Consumer Product Safety Commission. 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 differ from the 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.

### HAZARDOUS INGREDIENT INFORMATION

COMPONENT: ISOBUTANE CAS# 75-28-5  
800 ppm (1900 mg/m<sup>3</sup>) OSHA and ACGIH TWAs; NIOSH recommended TWA

COMPONENT: PROPANE CAS# 74-98-6  
1000 ppm (1800 mg/m<sup>3</sup>) OSHA and NIOSH recommended TWAs

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 carcinogenic by NTP, IARC, or OSHA.

### PHYSICAL AND CHEMICAL DATA

DESCRIPTION: Milky white solution with various scents, in an aerosol can.

CAN PRESSURE: 54 - 60 psig at 70° F

SPECIFIC GRAVITY: 1.002

PH: 6.3-7.3 (concentrate)

## FIRE AND EXPLOSION DATA

FLASH POINT: > 200° F

OSHA Class: Combustible liquid-Class IIIB

FLAMMABLE LIMITS (for propellant): LEL (V/V%) = 1.9 - 2.1; UEL (V/V%) = 8.5 - 9.5

FLAME EXTENSION: None.

FIRE AND EXPLOSION HAZARD - Dangerous fire hazard when exposed to heat or flame. Vapor-air mixtures are explosive above flash point. Aerosol cans may rupture in heat or fire conditions. Vapors are heavier than air and may travel to an ignition source. (Concentrate is *combustible* per National Fire Protection Association definition (Level 1 Aerosol - NFPA 30B).

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

FIRE FIGHTING - Move containers from fire area if you can do it without risk. Apply cooling water to sides of containers that are exposed to flames until well after fire is out. Use flooding amounts of water as fog. Cool product aerosol cans with flooding amounts of water from as far a distance as possible. Avoid breathing vapors; keep upwind. As with any containerized or pressurized chemicals, in the event of overheating or direct flame contact, evacuate the area to minimize hazard of potential explosion.

## 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:** Vapor concentrations above recommended exposure levels may be irritating to the eyes and the respiratory tract, may cause headaches and dizziness, disorientation, headache, excitation, central nervous system depression, anesthesia.
- SKIN CONTACT:** Repeated or prolonged exposure may cause irritation or dermatitis.
- EYE CONTACT:** May cause irritation.
- INGESTION:** Not an anticipated route of exposure.

**CHRONIC HEALTH EFFECTS:** None known.

**MEDICAL CONDITIONS GENERALLY RECOGNIZED AS BEING AGGRAVATED BY EXPOSURE:** Pre-existing skin and respiratory conditions (such as asthma).

## EMERGENCY AND FIRST AID PROCEDURES

**INHALATION:** Remove from exposure area to fresh air immediately. 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 water until no evidence of product remains. 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. DO NOT induce vomiting. 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.

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## REACTIVITY

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REACTIVITY - Stable.

INCOMPATIBILITIES: Strong oxidizers.

DECOMPOSITION - Thermal decomposition may produce irritating or poisonous gases.

POLYMERIZATION - Will not occur.

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## STORAGE AND DISPOSAL

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**CAUTION:** Store away from incompatible substances. Do not store above 120°F. Exposure to sunlight or heat may cause bursting. Do not puncture or incinerate. Properly deaerosolize any intact containers before disposal. Observe all federal, state and local regulations when storing or disposing of this substance.

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## CONDITIONS TO AVOID

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Do not permit physical damage or overheating of containers. Do not place aerosol cans in trash compactor. Contents are under pressure; containers may violently rupture and travel a considerable distance.

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## SPILL AND LEAK PROCEDURES

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OCCUPATIONAL RELEASE - Shut off ignition sources. Do not touch spilled material. Use water spray to reduce vapors. Isolate area until gas has dispersed. No smoking, flames or flares in hazard area! Keep unnecessary people away; isolate hazard area and deny entry. Ventilate closed spaces before entering. Stay upwind; keep out of low areas.

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## OCCUPATIONAL PROTECTIVE EQUIPMENT

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VENTILATION: - Provide local exhaust or general dilution ventilation to keep exposure to airborne contaminants below the permissible exposure limits where mists or vapors may be generated. Ventilation equipment should be explosion-proof.

RESPIRATOR -Air contamination monitoring should be carried out where mists or vapors are likely to be generated, to assure that the employees are not exposed to airborne contaminants above the 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 (impervious) should be worn where repeated or prolonged skin contact may occur.

GLOVES - Chemical-resistant gloves should be worn where repeated or prolonged skin contact may occur.

EYE PROTECTION - Safety glasses should be worn where eye contact may occur.

**REGULATORY INFORMATION**

DOT FLAMMABILITY CLASSIFICATION: Not applicable.

EPA - SARA TITLE III SECTION 313: 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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MSDS CREATION DATE: 04/25/95

SUPERSEDES: Rev. 0; 04/25/95

REVISION DATE: 12/17/97

REVISION: Update medical emergency telephone number and regulatory information.