



Material Safety Data Sheet

B-111

Revision 08.0

Revision Date: 08/20/2013

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name(s): Right Guard® Sport Aerosol Antiperspirant: Fresh Scent, Powder Dry, Scented/Regular, Unscented
Right Guard® Xtreme Aerosol Antiperspirant: Fresh-Energy, Fresh-Recharge, Dry-Rush, Cooling-Chill
DMD Aerosol Antiperspirant: Regular Scent/Crystal Breeze, Unscented
Soft & Dri® Aerosol Antiperspirant: Soft Scent, Baby Powder
Right Guard® Total Defense 5 Aerosol Antiperspirant: Cooling
Dry Idea® Aerosol Antiperspirant: Fresh
Dry Idea® Stain Clear Aerosol Antiperspirant: Clean

Product Use: Aerosol Antiperspirant

Formula IDH Number(s): 1454098 (RG Fresh Scent; DMD Aerosol AP: Reg Scent/Crystal Breeze); 1481285 (RG Powder Dry/DI Fresh); 1481287 (RG Scented); 1344054 (RG Unscented; DMD Aerosol AP: Unscented); 1759482 (RGX Aerosol AP Fresh-Energy), 1759484 (RGX Aerosol AP Fresh-Recharge); 1759343 (RGX Aerosol AP Dry-Rush); 1594825, 1759485 (RG TD5 Cooling, RGX Aerosol AP Cooling – Chill); 923075 (S&D Soft Scent); 923074 (S&D Baby Powder); 1830107 (DI Stain Clear)

Company Address: The Dial Corporation, a Henkel Company; 19001 N Scottsdale Road; Scottsdale, AZ 85255-9672 USA

Contact Information: Medical Emergencies: 1-888-689-9082 CHEMTREC: 1-800-424-9300 (24 hours daily)

SECTION 2: HAZARD IDENTIFICATION

EMERGENCY OVERVIEW

CAUTION: This product is a clear to yellowish solution with various scents, in an aerosol can. Direct contact with eyes may cause irritation. Intentional inhalation of vapors may cause irritation of the nose, throat, and respiratory tract. Breathing high vapor concentrations may produce anesthetic effects, nausea, dizziness, headache. Intentional misuse of product (i.e., huffing) may produce death. Keep out of reach of children. No significant environmental effects. Dangerous fire hazard when exposed to heat or flame. Product is stable.

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.

Regulatory Status: This product is considered to be hazardous under OSHA's Hazard Communication Standard (29 CFR 1900.1200). This MSDS should be retained and available for employees and other users of this product.

Potential Health Effects

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.

Eye Contact: This product may cause moderate to severe irritation.

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

Ingestion: Not an anticipated route of exposure. Nausea and possible vomiting may occur.

Inhalation: Airborne concentrations of isobutane, the propellant in this product, exceeding workplace standards may cause central nervous system effects and irritation of the throat and lungs with coughing, nausea and vomiting. Prolonged exposure may cause dizziness, weakness, peripheral numbness, nervousness, and drowsiness.

Subchronic/Chronic Health Effects: None known.

Medical Conditions Generally Recognized As Being Aggravated By Exposure: Pre-existing respiratory conditions such as asthma.

Potential Environmental Effects

See Section 12: Ecological Information.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Based on our hazard evaluation, the following chemical substance(s) in this product have been identified as hazardous.

<u>Ingredient</u>	<u>CAS Number</u>	<u>Percent (w/w)</u>
Isobutane	75-28-5	30 – 60 %

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Cyclopentasiloxane

Aluminum Chlorohydrate

541-02-6, 556-67-2

1327-41-9

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10 – 30 %

5 – 10 %

SECTION 4: FIRST AID MEASURES

Eyes: 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 persists.

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

Ingestion: Dilution by rinsing the mouth and giving water or milk to drink is generally recommended. Contact physician or local poison control center if any symptoms appear.

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.

Note to Physician: The physician's judgment should be used to control symptoms and clinical condition based on the individual reactions of the patient.

SECTION 5: FIRE FIGHTING MEASURES**Flammable Properties**

OSHA Flammability Classification:	Flammable Liquid – Class IA	Flash Point:	<-20°C/<-4°F (CC)(Isobutane)
Auto-Ignition Temperature:	Not applicable	Flame Projection:	None (extinguishes flame)
Flammable/Explosive limits – lower:	Not available	Flammable/Explosive limits – upper:	Not available
Hazardous Combustion Products:	Irritating smoke, carbon monoxide, and carbon dioxide.		

Fire and Explosion Hazard: Dangerous fire hazard when exposed to heat or flame. Aerosol cans may rupture in heat or fire conditions. Vapors are heavier than air and may travel to an ignition source.

Extinguishing Media

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

Protection of Firefighters

Shut off all ignition sources. 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.

SECTION 6: ACCIDENTAL RELEASE MEASURES**Personal Precautions:**

Wear skin, eye and respiratory protection as recommended in Section 8. Shut off ignition sources. Stop leak if you can do it without risk. Use water spray to reduce vapors. Isolate area until vapors have 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.

Environmental Precautions:

Small or household quantities may be disposed in regular domestic trash. For larger quantities check with your local disposal authorities.

Methods for Containment and Clean-Up:

SMALL SPILLS: Contain and absorb with sand or other non-combustible absorbent material and place into containers for later disposal. Wash site of spillage thoroughly with water. **LARGE SPILLS:** Shut off ignition sources. Do not touch spilled material. Stop leak if you can do it without risk. 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.

SECTION 7: HANDLING AND STORAGE

Handling: Do not get in eyes, on skin, on clothing. Do not take internally. Use with adequate ventilation. Keep the containers closed when not in use. Have emergency equipment (for fires, spills, leaks, etc.) readily available.

Storage: Store in original containers in a cool dry area away from incompatible substances, excessive heat, flames, sparks or other ignition sources. Contents are under pressure; containers may violently rupture and travel a considerable distance. Do not store above 120°F. Exposure to sunlight or heat (above 130°F/54°C) may cause bursting. Do not puncture or incinerate. Storage areas for large quantities (warehouse) should be well ventilated. Keep the containers tightly closed when not in use. Observe all federal, state and local regulations when storing or disposing of this substance.

Aerosol Level Category: Level 2 Aerosol (Serious Hazard)

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

This product is a personal care or cosmetic product. The use of this product by consumers is safe under normal and reasonable foreseen use. The information provided below refers to the occupational settings.

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Ingredient	ACGIH TLV	OSHA PEL	AIHA WEEL	NIOSH
Isobutane (as aliphatic hydrocarbon gases, alkane C ₁ – C ₄)	TWA: 1000 ppm (1800 mg/m ³)	N/A	N/A	TWA: 800 ppm (1440 mg/m ³)
Aluminum, Soluble Salts (as Al):	TWA: 2 mg/m ³	N/A	N/A	N/A

Engineering Controls:

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-face piece and is operated in a pressure-demand or other positive-pressure mode. Any supplied-air respirator that has a full-face piece 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/Face Protection: Splash-proof safety glasses are required to prevent eye contact where splashing of product may occur.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Liquid aerosolized spray	Physical state:	Liquid/Aerosol
Odor:	Pleasant	Odor threshold:	None
Boiling point:	Not available	Evaporation rate:	Not available
Melting point:	Not available	Vapor density:	Not available
Specific gravity:	Not available	Vapor pressure:	Not available
pH:	Not applicable	Water solubility:	Not applicable
Partition coefficient (n-octanol/water):	Not available	Viscosity (Dynamic):	Not available
Flammable Properties:	See Section 5		

SECTION 10: STABILITY AND REACTIVITY

Chemical Stability: Stable under normal ambient temperature (70°F, 21°C) and pressure (1 atm).

Conditions to Avoid: Avoid contact with incompatible substances, excessive heat, flames or other ignition sources. Exposure to sunlight or heat may cause bursting. 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.

Incompatible Materials: Strong oxidizers, chlorine, hypochlorites.

Hazardous Decomposition Products: Thermal decomposition may produce irritating or poisonous gases.

Possibility of Hazardous Reactions: Hazardous polymerization has not been reported to occur under normal temperatures and pressures.

SECTION 11: TOXICOLOGICAL INFORMATION

Product Information Summary: This product is a personal care or cosmetic product. The use of this product by consumers is safe under normal and reasonable foreseen use. Direct contact with eyes may cause irritation. Intentional inhalation of vapors may cause irritation of the nose, throat, and respiratory tract. Breathing high vapor concentrations may produce anesthetic effects, nausea, dizziness, headache. Intentional misuse of product (i.e., huffing) may produce death.

Component Analysis: The following toxicity information is for the hazardous ingredient(s) when used as technical grade and is provided as reference for the occupational settings.

Ingredient	LD50 / Draize Score	Toxicity / Irritation Rating
<u>Acute Oral Toxicity</u>		
Cyclopentasiloxane	> 50,000 ml/kg (rat)	Non-Hazardous
Aluminum Chlorohydrate	>2,000 mg/kg (rat)	Moderately Toxic
<u>Acute Dermal Toxicity</u>		
Cyclopentasiloxane	> 18,000 ml/kg (rabbit)	Non-Hazardous
<u>Acute Inhalation Toxicity</u>		
Isobutane	658 mg/L/4H (rat)	Slightly Toxic

Sensitization: This product is not considered a skin or respiratory sensitizer.

Carcinogenicity: None of the ingredients in this product are listed as carcinogens by the International Agency for Research on Cancer (IARC), the National Toxicology Program (NTP) or the Occupational Safety and Health Administration (OSHA).

Mutagenicity: None of the ingredients in this product are known to cause mutagenicity.

Reproductive/Fetal/Developmental effects: None of the ingredients in this product are known to have reproductive, fetal, or developmental hazards.

Target organ toxicity: None of the ingredients in this product are known to have target organ toxicity.

Epidemiological information: None of the ingredients in this product are known to have health-related information in working populations.

SECTION 12: ECOLOGICAL INFORMATION

This product is anticipated to be safe for the environment at concentrations predicted in household settings under normal use conditions.

Environmental Fate: No environmental fate data exists for the product.

Persistence and Degradability: The persistence and degradability of this product has not been determined.

Bioaccumulation Potential: The bioaccumulation potential of this product has not been determined.

Mobility: The mobility of this product (in soil and water) has not been determined.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Number and Description: D001 (Ignitable)

Disposal Considerations:

Industrial/Commercial

Disposal of products:

This product is a RCRA hazardous waste and can be disposed of in accordance with federal, state and local regulations.

Disposal of package/Container:

Do not reuse this container. Properly deaerosolize any intact containers before disposal.

Consumer Disposal

Product residue is considered household waste. Do not reuse this container. If empty place in trash or in a recycle container if this is available.

Additional information:

Observe all federal, state and local regulations when storing or disposing of this substance.

SECTION 14: TRANSPORT INFORMATION

DOT Transportation of Dangerous Goods – Ground

DOT Hazard Class: ORM-D - Consumer Commodity Limited Quantity

International Air Transportation (ICAO/IATA)

ICAO/IATA Hazard Class: ID 8000 - Consumer Commodity PG II Misc 9 Limited Quantity

Combustible liquid (Liters and smaller are classed as Consumer Commodity ORM-D except when shipped by air)

Water Transportation (IMO/IMDG)

IMO/IMDG Hazard Class: UN1950 Aerosols – Flammable NOS Class 2.1 Limited Quantity

If the quantity being shipped exceeds the Limited quantity or Maximum Net Quantity requirements as stated in IATA/IMDG/DOT/CFR49 and/or is NOT RETAIL Packed the item (s) classification will shift to a more specific proper shipping name and classification. Please refer to IATA/IMDG/DOT/CFR49 regulations and/or contact Rich Sheridan 480 754 2379 or Paul Preston 480 754 6792.

SECTION 15: REGULATORY INFORMATION

Occupational Safety and Health Act:

Hazard Communication Rule, 29 CFR 1910.1200: The Occupational Safety and Health Administration (OSHA) require Material Safety Data Sheets (MSDSs) to provide information about any hazard that may be associated with the product and make this information available in the workplace. Since the use pattern and exposure in the workplace are generally not consistent with those experienced by consumers, this MSDS may contain health hazard information not relevant to consumer use.

United States Regulatory Information:

Food and Drug Administration: This product is regulated as an over-the-counter (OTC) drug product under the Food and Drug Administration.

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

EPA CERCLA/SARA TITLE III Superfund Amendment and Reauthorization Act: This product contains no CERCLA/SARA Title III materials

CERCLA/SARA Section 302 EHS: This product contains no extremely hazardous substances reportable under Sections 302.

CERCLA/SARA 311/312: This product contains Isobutane which is a hazardous chemical reportable under Sections 311/312.

CERCLA/SARA 313: Not applicable - Consumer product

State Regulations

California Proposition 65: This product does not contain substances listed under California Proposition 65.

Canada Regulatory Information:**Canadian Environmental Protection Act:**

Inventory Status: Some components of this product are not listed on the Canadian Domestic Substances List (DSL) nor the NDSL.

Health Canada:

This product is regulated as a natural health product under the Natural Health Products Directorate.

Worker Hazardous Materials Information System:

WHMIS Classification: Combustible Liquid.

SECTION 16: OTHER INFORMATION

DISCLAIMER: The information contained herein is provided in good faith and is believed to be correct as of the date hereof. However, The Dial Corporation makes no representation as to the comprehensiveness or accuracy of the information. It is expected that individuals receiving the information will exercise their independent judgment in determining its appropriateness for a particular purpose. Accordingly, The Dial Corporation will not be responsible for damages of any kind resulting from the use of or reliance upon such information. No representations, or warranties, either expressed or implied of merchantability, fitness for a particular purpose or of any other nature is made hereunder with respect to the information set forth herein or to the product to which the information refers.

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

HMIS RATINGS (Scale 0-4, where 4=high degree of hazard):

HEALTH=2 FLAMMABILITY=2 REACTIVITY=1

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Creation Date: 05/30/2006

Revision: Updated Trade Names and Formula I.D. Numbers

Supercedes: Rev. 7, 02/05/2013