



Revision Number: 010.0

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## 1. IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE SUPPLIER

**Product identifier used on the label:**

Right Guard® Sport Aerosol Antiperspirant: Fresh, Powder Dry, Scented (Canada), Unscented  
 Right Guard® Xtreme Aerosol Antiperspirant: Fresh-Energy, Fresh-Recharge, Dry-Rush, Cooling-Chill  
 Dial Aerosol Antiperspirant: Regular Scent/Crystal Breeze, Unscented  
 Right Guard® Total Defense 5 Aerosol Antiperspirant: Cooling  
 Dry Idea® Aerosol Antiperspirant: Fresh

**Other means of identification:**

1454098 (RG Fresh; Dial Crystal Breeze); 1481285 (RG Powder Dry/DI Fresh); 1481287 (RG Scented); 1344054 (RG Unscented; Dial Unscented); 1759482 (RGX Aerosol AP Fresh-Energy), 1759484 (RGX Fresh-Recharge); 1759343 (RGX Dry-Rush); 1594825, 1759485 (RG TD5 Cooling, RGX Cooling – Chill)

**Recommended use of the chemical and restrictions on use:** AP Spray, Aerosol, Do not use in confined spaces.

**Name, address and telephone number of the chemical manufacturer:**

The Dial Corporation, a Henkel Company  
 7201 E. Henkel Way  
 Scottsdale, AZ 85255-9672 USA

CHEMTREC: 1-800-424-9300 (24 hours daily)  
 Internet: www.henkelna.com

**Emergency telephone number:** Medical Emergencies: 1-888-689-9082

## 2. HAZARD IDENTIFICATION

The hazards described in this OSHA Globally Harmonized System Safety Data Sheet (SDS) are not intended for consumers, and does not address consumer use of the product. For information regarding consumer applications of this product, refer to the product label.

**Classification of the substance or mixture in accordance with paragraph (d) of §1910.1200**

HAZARD CLASS	HAZARD CATEGORY
FLAMMABLE AEROSOL	1
CORROSIVE TO METALS	1
EYE IRRITATION	2B
REPRODUCTIVE TOXICITY	2

**Signal word, hazard statement(s), symbol(s) and precautionary statement(s) in accordance with paragraph (f) of §1910.1200**

**Signal word:** DANGER  
**Hazard Statement(s):** Extremely flammable aerosol.  
 May be corrosive to metals.  
 Causes eye irritation.  
 Suspected of damaging fertility or the unborn child.



**Symbol(s):**

**Precautionary Statements:**

**Prevention:** Obtain special instructions before use.  
 Do not handle until all safety precautions have been read and understood.  
 Keep away from heat, sparks, open flames, hot surfaces - no smoking.  
 Do not spray on an open flame or other ignition source.  
 Keep only in original container.  
 Pressurized container: Do not pierce or burn, even after use.  
 Wash thoroughly after handling.  
 Use personal protective equipment as required.

**Response:** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to remove. Continue rinsing.  
If eye irritation persists: Get medical attention.  
**Storage:** Absorb spillage to prevent material damage.  
Store in corrosive resistant container with a resistant inner liner.  
**Disposal:** Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.  
Dispose of contents and/or container according to Federal, State/Provincial and local governmental regulations.

**Hazards not otherwise classified:** Not available.

Classification complies with OSHA Hazard Communication Standard (29 CFR 1910.1200) and is consistent with the provisions of the United Nations Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

See Section 11 for additional toxicological information.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

The following chemicals are classified as health hazards in accordance with paragraph (d) of § 1910.1200.

Chemical Name*	CAS Number (Unique Identifier)	Concentration
Butane	106-97-8	30 – 60 %
1,1-Difluoroethane	75-37-6	10 - 30%
Octamethylcyclotetrasiloxane	556-67-2	10 - 30%
Decamethylcyclopentasiloxane	541-02-6	10 - 30%
Aluminium chlorohydrate	12042-91-0	10 - 30%
Talc (Cosmetic grade)	14807-96-6	1 - 5%

\*The specific chemical identity and/or exact percentage (concentration) of composition has been withheld because a trade secret is claimed in accordance with paragraph (i) of §1910.1200.

### 4. FIRST AID MEASURES

#### Description of necessary measures

**Inhalation:** Remove from exposure area to fresh air. Treat symptomatically and supportively. If any symptoms appear, get medical attention.  
**Skin contact:** First aid measures not required. Cosmetic product and therefore not necessary.  
**Eye contact:** Immediately rinse eyes with plenty of water for at least 15 minutes while holding eyelids open. Get medical attention if pain or 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.

#### Most important symptoms and effects, both acute and delayed

After eye contact: May cause mild irritation. After skin contact: Repeated or prolonged exposure may cause irritation. After Ingestion: Ingestion may cause pain, burning, swelling and redness in the mouth and throat. Nausea and vomiting may occur. After 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.

#### Indication of any immediate medical attention and special treatment needed

After eye contact: Rinse eyes immediately with plenty of water, occasionally lifting upper and lower lids, until no evidence of product remains.  
After skin contact: Rinse affected area with large amounts of water until no evidence of product remains. After ingestion: Dilution by rinsing the mouth and giving a glass of water to drink is generally recommended. After inhalation: Remove from exposure area to fresh air. Contact physician or local poison control center.

### 5. FIRE FIGHTING MEASURES

#### Suitable (and unsuitable) extinguishing media

**Suitable extinguishing media:** Alcohol resistant foam, dry chemical or carbon dioxide. For larger fires, flood with fine water spray or alcohol-resistant foam

**Unsuitable extinguishing media:** None known

#### Specific hazards arising from the chemical

Irritating smoke, carbon monoxide, and carbon dioxide.

#### Special protective equipment and precautions for fire-fighters

In case of fire, wear a full-face positive-pressure self-contained breathing apparatus and protective suit. Shut off all ignition sources. Apply cooling water to sides of containers that are exposed to flames until well after fire is out. Isolate area. Keep unnecessary personnel away. Avoid breathing vapors, keep upwind.

### 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

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 and materials for containment and cleaning 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. 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.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

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.

### Conditions for safe storage, including any incompatibilities

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.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

OSHA permissible exposure limit (PEL), American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Value (TLV), and any other exposure limit used or recommended by the chemical manufacturer, importer, or employer preparing the safety data sheet, where available.

Hazardous Component(s)	ACGIH	OSHA PEL	AIHA WEEL	OTHER
Butane	1,000 ppm STEL	None	None	None
1,1-Difluoroethane	None	None	1,000 ppm (2,700 mg/m3) TWA	None
Aluminium chlorohydrate	1 mg/m3 TWA Respirable fraction.	None	None	None
Talc	2 mg/m3 TWA Respirable fraction.	20 MPPCF TWA, 2.4 MPPCF TWA Respirable. 0.1 mg/m3 TWA Respirable. 0.3 mg/m3 TWA Total dust.	None	50 ppm

### Appropriate 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.

### Individual protection measures

**Respiratory:** 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).

**Eye:** Splash-proof safety glasses are required to prevent eye contact where splashing of product may occur.

**Hand/Body:** Protective gloves are required where repeated or prolonged skin contact may occur. Protective clothing is required where repeated or prolonged skin contact may occur.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Liquid/aerosol
<b>Odor:</b>	pleasant
<b>Odor threshold:</b>	Not available
<b>pH:</b>	Not applicable
<b>Melting point/ range:</b>	Not available
<b>Boiling point/range:</b>	Not available.
<b>Flash point:</b>	Not applicable
<b>Evaporation rate:</b>	Not available.
<b>Flammable/Explosive limits - lower:</b>	Not available.
<b>Flammable/Explosive limits - upper:</b>	Not available.
<b>Vapor pressure:</b>	Not available.
<b>Vapor density:</b>	Not available.

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<b>Solubility in water:</b>	Not applicable
<b>Partition coefficient (n-octanol/water):</b>	Not available.
<b>Autoignition temperature:</b>	Not available.
<b>Decomposition temperature:</b>	Not available.
<b>Viscosity:</b>	Not available.
<b>VOC content:</b>	39.7
<b>Specific gravity:</b>	Not available

## 10. STABILITY AND REACTIVITY

**Reactivity:** This product may react with strong acids, bases and oxidizing agents.

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

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

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

**Incompatible materials:** Strong oxidizers and alkalies, chlorine, hypochlorites.

**Hazardous decomposition products:** Thermal decomposition may produce irritating or poisonous gases.

## 11. TOXICOLOGICAL INFORMATION

### Likely routes of exposure including symptoms related to characteristics

<b>Inhalation:</b>	Breathing high vapor concentrations may produce anesthetic effects, nausea, dizziness, headache, weakness, peripheral drowsiness.
<b>Skin contact:</b>	Not a hazard under normal use conditions.
<b>Eye contact:</b>	May cause mild to moderate irritation.
<b>Ingestion:</b>	Ingestion of large quantities may be harmful. May cause mild gastrointestinal irritation with nausea, vomiting, diarrhea and abdominal pain.
<b>Physical/Chemical:</b>	The product is flammable.

### Other relevant toxicity information:

This product is a personal care or cosmetic product. The use of this product by consumers is safe under normal and reasonable foreseen use.

### Numerical measures of toxicity, including delayed and immediate effect

Hazardous Component(s)	LD50s and LC50s	Immediate and Delayed Health Effects
Butane	Inhalation LC50 (RAT, 4 h) = 658 mg/l	Cardiac, Central nervous system, Irritant
1,1-Difluoroethane	None	Cardiac, Central nervous system, Irritant, Respiratory
Octamethylcyclotetrasiloxane	None	Irritant
Decamethylcyclopentasiloxane	None	Irritant
Aluminium chlorohydrate	None	Allergen, Central nervous system, Irritant, Lung
Talc (cosmetic grade)	None	Irritant, Lung

### Carcinogenicity information

Hazardous Component(s)	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen
Butane	No	No	No
1,1-Difluoroethane	No	No	No
Octamethylcyclotetrasiloxane	No	No	No
Decamethylcyclopentasiloxane	No	No	No
Aluminium chlorohydrate	No	No	No
Talc (cosmetic grade)	No	No	No

**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.

**Toxicity to reproduction** This product contains an ingredient which has been associated with reproductive, fetal, or developmental hazards.

## 12. ECOLOGICAL INFORMATION

### Aquatic Toxicity:

This product is anticipated to be safe for the environment at concentrations predicted in household settings under normal use conditions. The following toxicity information is available for the hazardous ingredient(s) when used as technical grade and is provided as reference for the occupational settings.

### Toxicity to fish:

The aquatic toxicity profile of this product has not been determined.

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**Toxicity to aquatic invertebrates:**

The aquatic toxicity profile of this product has not been determined.

**Toxicity to algae:**

The aquatic toxicity profile of this product has not been determined.

**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.

### 13. DISPOSAL CONSIDERATIONS

**Waste Number and Description:** D001 (Ignitable)

**Disposal Considerations:**  
**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 packages:** Do not reuse this container. Properly deaerosolize any intact containers before disposal. Dispose of container and unused contents in accordance with federal, state and local requirements

**Additional information:** Observe all federal, state and local regulations when storing or disposing of this substance

### 14. TRANSPORT INFORMATION

The information in this section is for reference only and should not take the place of a shipping paper (bill of lading) specific to an order. Please note that the proper shipping classification may vary by packaging, properties, and mode of transportation.

**U.S. Department of Transportation Ground (49 CFR)**

**Proper shipping name:** ORM-D - Consumer Commodity, Limited Quantity  
**Hazard class or division:** None  
**Identification number:** None  
**Packing group:** None

**International Air Transportation (ICAO/IATA)**

**Proper shipping name:** ID 8000 - Consumer Commodity, Limited Quantity  
**Hazard class or division:** Misc 9  
**Identification number:** None  
**Packing group:** II

**Water Transportation (IMO/IMDG)**

**Proper shipping name:** Flammable NOS, Aerosols Limited Quantity  
**Hazard class or division:** 2.1  
**Identification number:** UN 1950  
**Packing group:** None

### 15. REGULATORY INFORMATION

**Occupational safety and health act:** Hazard Communication Standard, 29 CFR 1910.1200(g) Appendix D: The Occupational Safety and Health Administration (OSHA) require that the Safety Data Sheets (SDSs) are readily accessible to employees for all hazardous chemicals in the workplace. Since the use pattern and exposure in the workplace are generally not consistent with those experienced by consumers, this SDS may contain health hazard information not relevant to consumer use.

**United States Regulatory Information:**

**TSCA 8 (b) Inventory Status:** All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory.  
**TSCA 12 (b) Export Notification:** None above reporting de minimis  
**CERCLA/SARA Section 302:** None above reporting de minimis  
**CERCLA/SARA Section 311/312:** Not available.  
**CERCLA/SARA Section 313:** None above reporting de minimis  
**California Proposition 65:** No California Proposition 65 listed chemicals are known to be present.

**Canada Regulatory Information:**

**CEPA DSL/NDL Status:** One or more components are not listed on, and are not exempt from listing on either the Domestic Substances List or the Non-Domestic Substances List.

### 16. OTHER INFORMATION

**DISCLAIMER:** The data contained herein are furnished for information only and are believed to be reliable. However, Henkel Corporation and its affiliates ("Henkel") does not assume responsibility for any results obtained by persons over whose methods Henkel has no control. It is the user's responsibility to determine the suitability of Henkel's products or any production methods mentioned herein for a particular purpose, and to adopt such

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precautions as may be advisable for the protection of property and persons against any hazards that may be involved in the handling and use of any Henkel's products. In light of the foregoing, Henkel specifically disclaims all warranties, express or implied, including warranties of merchantability and fitness for a particular purpose, arising from sale or use of Henkel's products. Henkel further disclaims any liability for consequential or incidental damages of any kind, including lost profits.

**This safety data sheet contains changes from the previous version in sections: 2, 4, 8, 9, 11, 12**

**Prepared by:** R&D Support Services

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