



Revision Number: 006.0

Issue Date: 10/22/2014

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

Product identifier used on the label: Right Guard Sport Aerosol Deodorant – Original, Fresh
Right Guard Sport Aerosol Deodorant (CARB)– Original, Fresh

Other means of identification: 923045 (Original); 1554040 (Fresh), 1905488 (CARB – Original); 1905517 (CARB – Fresh)

Recommended use of the chemical and restrictions on use: Deo 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
SKIN IRRITATION	2
EYE IRRITATION	2A
SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE	3

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.
Causes skin irritation.
Causes serious eye irritation.
May cause drowsiness or dizziness.



Symbol(s):

Precautionary Statements:

Prevention: Keep away from heat, sparks, open flames, hot surfaces - no smoking.
Do not spray on an open flame or other ignition source.
Pressurized container: Do not pierce or burn, even after use.
Avoid breathing mist or spray.
Wash thoroughly after handling.
Use only outdoors or in a well-ventilated area.
Wear eye and face protection.
Wear protective gloves.

Response: IF ON SKIN: Wash with plenty of soap and water.
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or physician if you feel unwell.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to remove. Continue rinsing.
If skin irritation occurs: Get medical attention.
If eye irritation persists: Get medical attention.
Take off contaminated clothing.

Storage: Store in a well-ventilated place.

Keep container tightly closed.

Store locked up.

Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

Disposal:

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	Classification §1910.1200
Ethanol denatured	64-17-5	60 – 100 %	Eye irritation 2A Skin irritation 2 Specific target organ toxicity – single exposure 3 Flammable liquid 2
1,1-Difluoroethane	75-37-6	10 – 30 %	Eye irritation 2A Skin irritation 2 Flammable gas 1
Propane-1,2-diol	57-55-6	1 – 5 %	Eye irritation 2A Skin irritation 2

*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.

Skin contact: Rinse affected area with large amounts of mild soap and water until no evidence of product remains. Get medical attention if irritation persists.

Eye contact: Rinse eyes with plenty of water until no evidence of product remains. 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 moderate to severe irritation. After skin contact: Repeated or prolonged excessive exposure may cause irritation or dermatitis. After ingestion: Not an anticipated route of exposure given the nature of the finished product. Nausea and possible vomiting may occur. After inhalation: Airborne concentrations of propane and isobutane, the propellants in this product, exceeding workplace standards may cause central nervous system effects and irritation of the throat and lungs with coughing, nausea and vomiting.

Indication of any immediate medical attention and special treatment needed

After eye contact: Immediately rinse eyes with plenty of water for at least 15 minutes while holding eyelids open. After skin contact: Rinse affected area with mild soap and 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: Immediately remove from exposure area to fresh air.

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. Move containers from fire area if you can do it without risk. Avoid breathing hazardous vapors, keep upwind. Isolate area. Keep unnecessary personnel away.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

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Aerosol Deodorant	Page 2 of 6

Wear skin, eye and respiratory protection as recommended in Section 8. Stop leak if you can do it without risk. No smoking, flames or flares in hazard area! Spills present a slipping hazard. Keep unnecessary personnel away. Ventilate spill area if possible. Make sure area is slip-free before re-opening to traffic.

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 get in eyes, on skin, on clothing. Do not take internally. Use with adequate ventilation. Have emergency equipment (for fires, spills, leaks, etc.) readily available.

Conditions for safe storage, including any incompatibilities

Flammable liquid. Store in original containers in a cool dry area away from incompatible substances, excessive heat, flames, sparks or other ignition sources. Store in original containers in a cool dry area. Do not puncture or incinerate. Storage areas for large quantities (warehouse) should be well ventilated. Keep the containers tightly closed when not in use.

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
Ethanol denatured	1,000 ppm STEL	1,000 ppm (1,900 mg/m3) PEL	None	None
1,1-Difluoroethane	None	None	1,000 ppm (2,700 mg/m3) TWA	None
Propane-1,2-diol	None	None	10 mg/m3 TWA Aerosol.	None

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.
- 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

- Appearance:** Aerosol
- Odor:** pleasant
- Odor threshold:** Not available
- pH:** Not applicable.
- Melting point/ range:** Not applicable.
- Boiling point/range:** Not available.
- Flash point:** Not available.
- Evaporation rate:** Not available.
- Flammable/Explosive limits - lower:** Not available.
- Flammable/Explosive limits - upper:** Not available.
- Vapor pressure:** Not available.
- Vapor density:** Not available.
- Solubility in water:** Not applicable
- Partition coefficient (n-octanol/water):** Not available.
- Autoignition temperature:** Not available.
- Decomposition temperature:** Not available.
- Viscosity:** Not available.
- VOC content:** Not available.
- Specific gravity:** 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

- Inhalation:** Breathing high vapor concentrations may produce anesthetic effects, nausea, dizziness, headache, weakness, peripheral drowsiness.
- Skin contact:** Repeated or prolonged excessive exposure may cause irritation or dermatitis.
- Eye contact:** May cause moderate to severe irritation.
- Ingestion:** Ingestion of large quantities may be harmful. May cause mild gastrointestinal irritation with nausea, vomiting, diarrhea and abdominal pain.
- Physical/Chemical:** 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
Ethanol denatured	Oral LD50 (RAT) = 9.9 g/kg Oral LD50 (RAT) = 6.2 g/kg Oral LD50 (RAT) = 17.8 g/kg Oral LD50 (RAT) = 11.5 g/kg Oral LD50 (RAT) = 10.6 g/kg Oral LD50 (RAT) = 7,060 mg/kg Inhalation LC50 (RAT, 10 h) = 20000 ppm	Central nervous system, Irritant
1,1-Difluoroethane	None	Cardiac, Central nervous system, Developmental, Irritant, Respiratory
Propane-1,2-diol	Oral LD50 (RABBIT) = 18 g/kg Oral LD50 (RAT) = 30 g/kg	Irritant

Carcinogenicity information

Hazardous Component(s)	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen
Ethanol denatured	No	No	No
1,1-Difluoroethane	No	No	No
Propane-1,2-diol	No	No	No

Carcinogenicity

IARC classifies ethanol as "Human Sufficient Evidence" from chronic ingestion of alcoholic beverages.

Mutagenicity

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

Toxicity to reproduction

Ethanol crosses the placenta and can cause acute intoxication of the newborn or teratogenic effects, including fetal alcohol syndrome.

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:

Hazardous substances	Value type	Value	Acute toxicity study	Exposure time	Species	Method
Ethanol denatured	LC50	> 100 mg/l	Fish	48 h	Leuciscus idus	OECD 203
1,1-Difluoroethane	LC50	356 mg/l	Fish	48 h	Leuciscus idus melanotus	DIN 38412-15

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Propane-1,2-diol	LC50	> 10,000 mg/l	Fish	48 h	Leuciscus idus	DIN 38412-15
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Toxicity to aquatic invertebrates:

Hazardous substances	Value type	Value	Acute toxicity study	Exposure time	Species	Method
Ethanol denatured	EC50	> 100 mg/l	Daphnia	24 h	Daphnia magna	OECD 202
1,1-Difluoroethane	EC50	383 mg/l	Daphnia	24 h	Daphnia magna	NA
Propane-1,2-diol	EC50	34,400 mg/l	Daphnia	48 h	Daphnia magna	OECD 202

Toxicity to algae:

Hazardous substances	Value type	Value	Acute toxicity study	Exposure time	Species	Method
Ethanol denatured	EC50	> 100 mg/l	Algae	NA	Chlorella pyrenoidosa	OECD 201
1,1-Difluoroethane	EC50	> 433 mg/l	Algae	96 h	Selenastrum capricornutum	OECD 201
Propane-1,2-diol	EC50	19,000 mg/l	Algae	14 d	Selenastrum capricornutum	OECD 201

Persistence and Degradability:

Hazardous substances	Result value	Route of application	Species	Method
Propane-1,2-diol	Readily biodegradable	Aerobic	> 70 %	OECD 301

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 characteristic (ignitable) hazardous waste and must be disposed of in a RCRA Subtitle C landfill.

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

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
Hazard class or division: Misc 9 Limited Quantity
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 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:

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 EHS 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 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: New Safety Data Sheet format.

Prepared by: R&D Support Services

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