

MATERIAL SAFETY DATA SHEET

NAME: GILLETTE AEROSOL PRODUCTS

CAS NO: NA

Effective Date: 12/06/2004 **Rev:** 9

A. — IDENTIFICATION

<p style="text-align: center;"><u>Composition*</u></p> <p>(One or more of the following)</p> <p>Denatured Ethyl Alcohol (64-17-5)</p> <p>Propellants: Isobutane (75-28-5)</p> <p style="padding-left: 20px;">Propane (74-98-6)</p> <p style="padding-left: 20px;">Butane (106-97-8)</p> <p style="padding-left: 20px;">Dimethyl Ether (115-10-6)</p> <p style="padding-left: 20px;">1,1-Difluoroethane (75-37-6)</p> <p style="padding-left: 20px;">Isopentane (78-78-4)</p> <p>Other ingredients</p>	<p><u>%</u></p>	<p>Formula: Mixture Mixture</p> <hr/> <p>Molecular Weight: NA</p> <hr/> <p>Synonyms: See aerosol product list page 5.</p>
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B. — PHYSICAL DATA

<p>Boiling Point (See Footnotes)</p> <p style="text-align: center;">173 °F 78 °C</p>	<p>Melting Point</p> <p style="text-align: center;">NA °F NA °C</p>	<p>Freezing Point</p> <p style="text-align: center;">NA °F NA °C</p>
<p>Specific Gravity (H₂O=1)</p> <p style="text-align: center;">0.7942</p>	<p>Vapor Density (air=1)</p> <p style="text-align: center;">1.59</p>	<p>Vapor Pressure @ 68 °F</p> <p style="text-align: center;">44 mm Hg</p>
<p>Evaporation (Ether =1)</p> <p style="text-align: center;">Slower</p>	<p>Saturation in Air (by volume@ °F)</p> <p style="text-align: center;">NA</p>	<p>Autoignition Temperature</p> <p style="text-align: center;">NA °C</p>
<p>% Volatiles</p> <p style="text-align: center;">100</p>	<p>Solubility in Water</p> <p style="text-align: center;">Soluble</p>	<p>pH NA</p>

Appearance/Odor Liquid aerosolized spray or foam/gel with pleasant fragrance

Flash Point and Test Method(s) 55°F/13°C (Ethyl Alcohol); -156°F/-104°C (Isobutane); -42°F/-41°C (Dimethyl Ether); <-58°F (<-50°C) (Difluoroethane)

Flammable Limits in Air (% by volume) Lower 3.3^a/1.8^b/3.4^c/3.9^d % Upper 19^a/9.5^b/27^c/16.9^d %

C. — REACTIVITY

<p>Stability</p> <p><input checked="" type="checkbox"/> stable <input type="checkbox"/> unstable</p>	<p>Polymerization</p> <p><input type="checkbox"/> may occur <input checked="" type="checkbox"/> will not occur</p>
<p><u>Conditions to Avoid</u></p> <p>Extreme heat, ignition sources. Avoid spraying toward open flame</p>	<p><u>Conditions to Avoid</u></p> <p>NA</p>
<p><u>Incompatible Materials</u></p> <p>Strong oxidizers</p>	<p><u>Hazardous Decomposition Products</u></p> <p>Thermal degradation may produce oxides of carbon and nitrogen; hydrocarbons and derivatives.</p>

Footnotes

Physical data refers to Ethyl Alcohol, except where noted.

^a Ethyl Alcohol, ^b Isobutane, ^c Dimethyl Ether, ^d 1,1-Difluoroethane

D. — HEALTH HAZARD DATA

Occupational Exposure Limits PEL's, TLV's, etc.)

8-Hour TWA's: Ethyl Alcohol - 1000 ppm (OSHA/ACGIH/U.K./Germany)
 Butane - 800 ppm (OSHA/ACGIH); 600 ppm (U.K.); 1000 ppm (Germany)
 Propane - 1000 ppm (OSHA/Germany)
 1,1-Difluoroethane – 1000 ppm (manufacturer recommendation)

These levels are not anticipated under normal use conditions.

Warning Signals

NA

Routes/Effects of Exposure

1. Inhalation No adverse effects anticipated from normal use. If vapors are deliberately concentrated and inhaled (abuse), the following symptoms may occur: respiratory irritation, dizziness, drowsiness, headache, nausea, unconsciousness, cardiac sensitization, coma and death.

2. Ingestion No adverse effects anticipated from normal use. For formulations containing alcohol, ingestion of large amounts may induce alcoholic intoxication.

3. Skin
 - a. Contact
No adverse effects anticipated from normal use.

 - b. Absorption
Not anticipated.

4. Eye Contact Irritation may occur.

5. Other Not applicable

E. — ENVIRONMENTAL IMPACT

1. Applicable Regulations All components of these products comply with the U. S. Toxic Substances Control Act (TSCA).

2. DOT Hazard Class - ORM-D
3. DOT Shipping Name - Consumer Commodity

Environmental Effects

Not applicable

F. — EXPOSURE CONTROL METHODS

Engineering Controls

General ventilation under normal use conditions.

Eye Protection

None under normal use conditions.

Skin Protection

None under normal use conditions.

Respiratory Protection

None under normal use conditions.

Other

Product is nonhazardous when used as directed.

KEEP OUT OF REACH OF CHILDREN.

G. — WORK PRACTICES

Handling and Storage

CAUTION: Pressurized Container. Protect from sunlight and do not expose to temperatures exceeding 120°F (~50° C). Keep from extreme cold. Do not pierce or burn, even after use. Do not spray on naked flame or any incandescent material. Avoid heat, sparks, flame or smoking during use. Shake can before use. Storage of large quantities (as in a warehouse) should be in a cool area, away from ignition sources.

Normal Clean Up

None expected due to aerosol packaging. If small amount of concentrate leaks through rupture etc., allow to evaporate providing spark/static free ventilation.

Waste Disposal Methods

Dispose of in accordance with federal, state and local regulations.

H. — EMERGENCY PROCEDURES

Steps to be taken if material is released to the environment or spilled in the work area

Not applicable

Fire and Explosion Hazard

Flammable (except shaving creams and gels). Container may rocket or explode in heat of fire. Hazardous decomposition products may be released (Sec. C).

Extinguishing Media

Dry chemical, foam, carbon dioxide, water fog.

Firefighting Procedures

Use self-contained breathing apparatus and full protective gear, if large quantities are involved. Fight fire from a distance or protected area. Cool and use caution when handling fire-exposed containers.

I. — FIRST AID AND MEDICAL EMERGENCY PROCEDURES**Eyes**

Wash eyes with clear, tepid water. If irritation persists, obtain medical attention.

Skin

Wash with soap and water.

Inhalation

No adverse effects anticipated from normal use. In an abuse situation, remove from source of exposure. Treat symptomatically. Oxygen may be administered. Seek medical attention immediately and refer to "Notes to Physician" below.

Ingestion

Consult a physician.

Notes to Physician

If spontaneous vomiting has not occurred and large amounts have been ingested, the physician may at their discretion administer an emetic or mechanically empty the stomach. Cardiac sensitization to propellants may occur. Do not use sympathomimetic agents (e.g. epinephrine) because of possible induction of ventricular fibrillation.

Replaces #4034.7

GILLETTE AEROSOL PRODUCTS**LEVEL 3 AEROSOLS**

Antiperspirants: Right Guard/Soft and Dri/Dry Idea/Gillette Series/Right Guard Xtreme/Satin Care/Cool Spray

LEVEL 2 AEROSOLS

Deodorants: Right Guard/Gillette Series
Body Sprays: Gillette Series/Right Guard Xtreme/ TAG

LEVEL 1 AEROSOLS

Shaving Creams and Gels: Gillette Complete / Gillette Series/Foamy/Satin Care

Please consult NFPA 30B Aerosol Manufacturing and Storage Standard for more information on aerosol classifications. (Level I, Level II, and Level III).

The information contained in the Material Safety Data Sheet is based on data considered to be accurate, however, no warranty is expressed or implied regarding the accuracy of the data or the results to be obtained from the use thereof.