



**Gillette Medical Evaluation Laboratories**

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**MATERIAL SAFETY DATA SHEET**

**NAME:** GILLETTE WHITE RAIN HAIR SPRAY (AEROSOL)

**CAS NO:** NA

**Effective Date:** 1/31/92 **Rev:** NA

**A. - IDENTIFICATION**

Composition* (1% or greater) %  SD Alcohol 40 (See Footnotes) Propellant-Isobutane (75-28-5); Propane (74-98-6); Butane (106-97-8) Ethyl Ester of PVM/MA Copolymer (50935-57-4)	Formula:	Mixture
	Molecular Weight:	NA
	Synonyms	White Rain

**B. - PHYSICAL DATA**

Boiling Point 173 °F 78 °C	Melting Point NA °F NA °C	Freezing Point NA °F NA °C
Specific Gravity (H <sub>2</sub> O=1) <1 (liquid)	Vapor Density (air=1) 1.59	Vapor Pressure @ 68 °F 44 mmHg
Evaporation (Ether =1) Slower	Saturation in Air (by volume @ NA % °F)	Autoignition Temperature 685 °F 363 °C (lowest found)
% Volatiles (by volume) >90	Solubility in Water Soluble	pH NA

**Appearance/Odor** Clear liquid with alcoholic odor

**Flash Point and Test Method(s)** 55°F (Ethyl Alcohol)

**Flammable Limits in Air** (Ethyl Alcohol)  
(% by volume) Lower 3.3 % Upper 19 %

**C. - REACTIVITY**

Stability	Conditions to Avoid	Polymerization	Conditions to Avoid
stable X	Flammable: avoid high temperatures, ignition sources	may occur	NA
unstable		will not occur X	

**Incompatible Materials** Strong oxidizers

**Hazardous Decomposition Products** Thermal decomposition may produce oxides of carbon and nitrogen; hydrocarbons and derivatives.

\*IF MULTIPLE INGREDIENTS INCLUDE CAS NUMBERS FOR EACH NA-NOT AVAILABLE

**Footnotes:**  
SD Alcohol 40 is denatured ethyl alcohol (CAS# 64-17-5). Physical data except Specific Gravity and % Volatiles, refers to ethyl alcohol. For flammable limits in air, also consider propellant.

## D. — HEALTH HAZARD DATA

### Occupational Exposure Limits (PEL'S, TLV'S, etc.)

8-hour TWA's: Ethyl Alcohol - 1000 ppm (OSHA/ACGIH)  
: Propane - 1000 ppm (OSHA)  
: Butane - 800 ppm (OSHA/ACGIH)

These levels are not anticipated under foreseeable 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. Depending on amounts ingested most of the symptoms described above may occur.

#### 3. Skin

##### a. Contact

No adverse effects anticipated from normal use.

##### b. Absorption

No adverse effects anticipated from normal use.

#### 4. Eye Contact

Irritation. Do not spray in eyes.

#### 5. Other

NA

## E. — ENVIRONMENTAL IMPACT

- |                           |  |
|---------------------------|--|
| 1. Applicable Regulations | Labelled as flammable aerosol according to CPSC 16 CFR 1500.130<br>Classified as Level II aerosol for storage purposes.<br>(NFPA/Factory Mutual) |
| 2. DOT Hazard Class —     | ORM-D  |
| 3. DOT Shipping Name —    | Consumer Commodity   |

### Environmental Effects

NA

## F. — EXPOSURE CONTROL METHODS

### Engineering Controls

None 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 in a room with normal air circulation.  
KEEP OUT OF REACH OF CHILDREN.

## G. — WORK PRACTICES

### Handling and Storage

The product is flammable. Use with adequate ventilation. Avoid heat, sparks, flame or smoking during use and until hair is thoroughly dry. Keep from extreme cold. Contents under pressure. Do not expose to heat or store at temperatures above 120°F. When stored in large quantities (as in warehouse), it should be in a well ventilated, cool area.

Classified as Level II aerosol for storage purposes (NFPA/Factory Mutual).

### 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 according to local, state and federal regulations. Do not puncture or incinerate.

## 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 aerosol product. Container may rocket or explode in heat of fire. Hazardous decomposition products. See Sec. C.

### Extinguishing Media

As for adjacent fire. Dry chemical, foam, carbon dioxide, water fog.

### Firefighting Procedures

In fires involving large quantities of product self-contained breathing apparatus should be used. 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

Flush with plenty of tepid, clear 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 physician.

### Notes to Physician

Ethyl alcohol contains t-butyl alcohol and brucine sulfate as denaturants.

If large amounts have been ingested, the physician may at his discretion administer an emetic or mechanically empty the stomach.

Cardiac sensitization to hydrocarbon propellant may occur. Do not use sympathomimetic agents (e.g. epinephrine) because of possible induction of ventricular fibrillation.

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.