

# MATERIAL SAFETY DATA SHEET

NOTE: This Material Safety Data Sheet (MSDS) is prepared for industrial / commercial use situations. The preparation of this MSDS may be required by law, but this is not an assertion that this product presents a risk in the normal consumer use situation.



## SECTION I. PRODUCT & COMPANY IDENTIFICATION

PRODUCT NAME: **Dove Mousse-Foam (Aerosol) – All Variants**  
 MSDS NUMBER: 1947-16  
 CORPORATE ADDRESS: Unilever  
 700 Sylvan Avenue  
 Englewood Cliffs, NJ 07632

|                   |   |
|-------------------|---|
| PHONE #:          | 800-761-3683 Monday thru Friday (8:30 AM – 6:00 PM EST) |
| EMERGENCY #:      | 800-745-9269 (24 Hours)                                 |
| POISON CONTROL #: | 800-949-7866 (24 Hours)                                 |
| CHEMTREC #:       | 800-424-9300 (24 Hours, Transportation Emergencies)     |

All written inquiries should be sent to:  
 Unilever Consumer Services, 920 Sylvan Avenue, Englewood Cliffs, NJ 07632 or Fax to: 201-227-5859

## SECTION II. HAZARDS IDENTIFICATION

**WARNING: Contents under pressure. Flammable. Do not puncture or incinerate. Avoid fire, flame or smoking during use and until hair is thoroughly dry. Do not store at room temperatures above 120°F/50°C. Keep Out Of Reach Of Children.**

EXPOSURE EFFECTS: This is a personal care product that is safe for consumers when used according to the label directions. Like many consumer products, a small number of individuals may experience reactions such as redness, rash and /or swelling upon prolonged or repeated skin contact or eye contact.

HAZARD RATINGS: Health: 1, Fire: 2, Physical Hazards: 1  
 Ratings are based on a 0-4 scale, with 0 representing minimal and 4 representing significant hazards or risks.

## SECTION III. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients as defined by 29 CFR 1910.1200:

| CHEMICAL NAME                           | CAS NUMBER | % RANGE |
|---|------------|---------|
| Dimethyl Ether                          | 115-10-6   | 0-3     |
| Hydrofluorocarbon 152a (Difluoroethane) | 75-37-6    | 0-5     |
| Isobutane (Propellant A-46)             | 75-28-5    | 0-4     |
| Propane (Propellant A-46)               | 74-98-6    | 0-3     |

**SECTION IV. FIRST AID MEASURES**

EYE CONTACT: Rinse thoroughly with water.  
 SKIN CONTACT: Discontinue use if rash or irritation occurs. Rinse with water.  
 INGESTION: Do not induce vomiting. Drink a glass of milk or water.  
 INHALATION: Move individual to fresh air.  
 NOTE: If symptoms persist, seek medical attention.

**SECTION V. FIRE FIGHTING MEASURES**

HAZARD CLASSIFICATION: Flammable. See Section XIV for Shipping Classifications.  
 FLASHPOINT: Not applicable.  
 NFPA CLASSIFICATION: Aerosol Level 1 per NFPA 30B.  
 EXTINGUISHING MEDIA: Water mist/spray, carbon dioxide, foams or dry chemicals.  
 SPECIAL FIREFIGHTING PROCEDURES: Since pressurized aerosol cans may explode when exposed to excessive heat, protect from excessive heat with water spray.  
 HAZARDOUS COMBUSTION PRODUCTS: Oxides of carbon, nitrogen; hydrocarbons & derivatives.  
 CONTENTS UNDER PRESSURE: Yes. Exposure to temperature > 130°F/55°C may cause bursting.  
 EXPLOSIVE: Yes.

**SECTION VI. ACCIDENTAL RELEASE MEASURES**

SPILLS, LEAKS: Small or household quantities may be cleaned up and disposed of in household trash. For large (industrial) releases, eliminate all sources of ignition and ventilate the area with equipment rated for use in a flammable environment.

**SECTION VII. HANDLING & STORAGE**

HANDLING PRECAUTIONS: Contents under pressure. Do not puncture or incinerate container. Do not use when smoking or in presence of fire, open flame, sparks or heat.  
 STORAGE REQUIREMENTS: Do not store at temperatures above 120°F/50°C or in enclosed places that could overheat.

**SECTION VIII. EXPOSURE CONTROLS / PERSONAL PROTECTION**

| CHEMICAL NAME               | CAS #    | ACGIH TLV        | OSHA PEL                                |
|-----------------------------|----------|------------------|---|
| Difluoroethane (HFC-152a)   | 75-37-6  | None established | None established                        |
| Dimethyl Ether              | 115-10-6 | None established | None established                        |
| Isobutane (Propellant A-46) | 75-28-5  | TWA=1000 ppm     | None established                        |
| Propane (Propellant A-46)   | 74-98-6  | TWA=1000 ppm     | TWA=1000 ppm,<br>1800 mg/m <sup>3</sup> |

**PERSONAL PROTECTION**

FOR ROUTINE CONSUMER USE: No special precautions necessary. Use only as directed.  
 FOR INDUSTRIAL ACTIVITIES: Use protective eyewear, gloves, clothing and general ventilation.

**SECTION IX. PHYSICAL & CHEMICAL PROPERTIES**

|       |                     |        |                          |
|-------|---------------------|--------|--------------------------|
| FORM: | Foam in pressurized | COLOR: | Foam is white or lightly |
|-------|---------------------|--------|--------------------------|

|                   |                         |                   |   |
|-------------------|-------------------------|-------------------|---|
|                   | metal can               |                   | tinted  |
| ODOR:             | Characteristic          | SOLUBILITY:       | Not available   |
| SPECIFIC GRAVITY: | Not available           | PRESSURE:         | 54-85 PSIG at 70°F/21°C.<br>113-175 PSIG at 130°F/54°C. |
| MELTING POINT:    | Not applicable          | VISCOSITY:        | Not available   |
| pH:               | Liquid concentrate: 5-7 | EVAPORATION RATE: | Not available   |
| PERCENT VOLATILE: | Not available           | PERCENT VOC:      | ≤8  |

## **SECTION X. STABILITY & REACTIVITY**

|                                   |  |
|-----------------------------------|--|
| STABLE:                           | Yes.   |
| HAZARDOUS DECOMPOSITION PRODUCTS: | None known.  |
| INCOMPATIBLE WITH:                | Strong oxidizers, acids or bases. Do not expose to heat or in enclosed places that could overheat. |
| SPECIAL CONDITIONS TO AVOID:      | Open flames, high temperatures, sunlight or impact.  |
| CORROSIVE TO STEEL, ALUMINUM:     | No.  |

## **SECTION XI. TOXICOLOGY INFORMATION**

### **ACUTE EFFECTS**

|               |  |
|---------------|--|
| EYE CONTACT:  | May cause redness or irritation.                                       |
| SKIN CONTACT: | Overexposure may cause a skin reaction such as redness.                |
| INGESTION:    | May cause nausea, vomiting and diarrhea.                               |
| RESPIRATORY:  | Not an expected route of exposure but may cause irritation if inhaled. |

**CHRONIC EFFECTS:** None expected

### **CARCINOGEN CLASSIFICATIONS**

|       |      |
|-------|------|
| NTP:  | None |
| IARC: | None |
| OSHA: | None |

## **SECTION XII. ECOLOGICAL INFORMATION**

This product is safe for the environment at the concentrations predicted under normal use conditions.

## **SECTION XIII. DISPOSAL CONSIDERATIONS**

Disposal by Consumer: Contents under pressure. Do not puncture or incinerate. Waste generated in the course of normal consumer use is not subject to RCRA. Consumer waste should be disposed of in accordance with all applicable local, state and federal regulations.

Disposal by Manufacturer/Vendors: Waste meets the federal definition of hazardous waste due to the ignitability characteristic (D0001) as defined at 40 CFR § 261.21. Hazardous Waste Generator RCRA or may dispose of individual consumer containers in drums or other appropriate containers. Generator cannot incinerate waste without puncturing and releasing flammable gas from all pressurized consumer packaging using the appropriate aerosol disposal equipment to ensure worker safety.

**SECTION XIV. TRANSPORT INFORMATION**

| <b>FOR SHIPMENT IN CONSUMER PACKAGING</b> | <b>DOMESTIC - ALL MODES (US DOT)</b> | <b>INTERNATIONAL - AIR (IATA/ICAO)</b> | <b>INTERNATIONAL - WATER (IMO/IMDG)</b> |
|---|--------------------------------------|--|---|
| PROPER SHIPPING NAME:                     | Consumer Commodity                   | Consumer Commodity                     | Aerosols                                |
| HAZARD CLASS:                             | ORM-D/ORM-D-AIR                      | 9                                      | 2                                       |
| UN/ID #:                                  | None                                 | ID8000                                 | UN1950                                  |
| PACKING GROUP:                            | None                                 | None                                   | None                                    |
| LABEL REQUIRED:                           | None                                 | Miscellaneous                          | None                                    |

EMERGENCY GUIDE NUMBER: ID8000 Consumer Commodity = 171  
 UN1950 Aerosol = 126

DOT HAZARDOUS SUBSTANCE RQ: None/no reportable quantities

DOT MARINE POLLUTANTS: None/no reportable quantities

IATA - Substances Forbidden from Air Transport: None/no reportable quantities

IATA - Subst. Forbidden from Passenger Transport: Difluoroethane, Dimethyl Ether, Isobutane, Propane (Not when classified as a Consumer Commodity)

**SECTION XV. REGULATORY INFORMATION**

TSCA: Not applicable

RCRA: See Section XIII - Disposal Considerations

CAA HAPS or Ozone Depletors: None/no reportable quantities

CERCLA/SARA 302 Hazardous Substances: None/no reportable quantities

CERCLA/SARA 311/312 Hazard Categories: None/no reportable quantities

CERCLA/SARA 313 Emissions Reporting: None/no reportable quantities

CERCLA RQ: Isobutane, Propane, Difluoroethane, and Dimethyl Ether - 100 lbs

CA 22 CCR Hazardous Wastes: None/no reportable quantities

CA Proposition 65 Listed Chemicals: None/no reportable quantities

IL, MA, NJ, PA, RI State RTK, Hazardous & Other Notifications: Difluoroethane, Dimethyl Ether, Isobutane, Propane

**SECTION XVI. OTHER INFORMATION****LEGEND:**

|        |  |      |  |
|--------|--|------|--|
| ACGIH  | American Conference of Governmental & Industrial Hygienists        | LVOC | Low Volatile Organic Compound              |
| CAA    | Clean Air Act  | N/A  | Not Applicable                             |
| CARB   | California Air Resources Board                                     | NFPA | National Fire Protection Association       |
| CAS    | Chemical Abstract Service  | NTP  | National Toxicology Program                |
| CCR    | California Code of Regulations                                     | OSHA | Occupation Safety & Health Administration  |
| CERCLA | Comprehensive Environmental Response, Compensation & Liability Act | PEL  | Permissible Exposure Limit                 |
| CFR    | Code of Federal Regulations  | RCRA | Resource Conservation & Recovery Act       |
| DOT    | Department of Transportation                                       | RQ   | Reportable Quantity                        |
| EPCRA  | Emergency Planning and Community Right-To-Know Act                 | RTK  | Right-To-Know                              |
| EST    | Eastern Standard Time  | SARA | Superfund Amendments & Reauthorization Act |

|      |   |      |  |
|------|---|------|--|
| HAPS | Hazardous Air Pollutants  | STEL | Short-Term Exposure Limit                  |
| HMIS | Hazardous Materials Information System  | TBD  | To Be Determined                           |
| HON  | Hazardous Organic NESHAP<br>(National Emission Standards for Hazardous Air<br>Pollutants) | TCC  | Tagliabue Closed Cup                       |
| HVOC | High Volatile Organic Compound  | TLV  | Threshold Limit Value                      |
| IARC | International Agency for the Research of Cancer   | TSCA | Toxic Substances Control Act               |
| IATA | International Air Traffic Association   | TWA  | Time Weighted Average                      |
| ICAO | International Civil Aviation Organization   | TCLP | Toxicity Characteristic Leaching Procedure |
| IMDG | International Maritime Dangerous Goods  | VOC  | Volatile Organic Compounds                 |
| IMO  | International Maritime Organization   |      |  |

Unilever  
 Regulatory Affairs  
 40 Merritt Boulevard  
 Trumbull, CT 06611

Formulation, Date & Clearance: 11127548-6, 10/15/2009, 14520  
 83177039-1, 4/13/2011, 96172  
 83177102-1, 4/13/2011, 96151

MSDS Date: 4/14/2011 11:43 AM

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