

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: **Axe Hairspray (Aerosol) – All Variants**
 MSDS NUMBER: 4359-16
 CORPORATE ADDRESS: Unilever
 700 Sylvan Avenue
 Englewood Cliffs, NJ 07632

PHONE #: 800-782-8301 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: Flammable until fully dry. Do not use near heat, flame or while smoking. Can cause serious injury or death. Avoid inhalation. Avoid spraying in eyes. Contents under pressure. Do not puncture or incinerate. Do not expose to heat or store at temperatures above 120⁰ F/50⁰C or in enclosed places that could overheat. Do not use on broken skin. Stop use if rash or irritation occurs. Keep out of reach of children. Use only as directed. Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal.

HAZARD RATINGS: Health: 1, Fire: 2, Physical Hazards: 2
 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 |
|---|------------|---------|
| Hydrofluorocarbon 152a (Difluoroethane) | 75-37-6 | 35 – 40 |
| SD Alcohol 40-B (Ethanol) | 64-17-5 | 45 - 55 |

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. Aerosol flame extension <18 inches/45 cm.
 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 |
| Ethanol | 64-17-5 | STEL=1000 ppm | TWA=1000 ppm , 1900 mg/m ³ |

PERSONAL PROTECTION

FOR ROUTINE CONSUMER USE: Avoid inhalation. Avoid spraying in eyes. Use only as directed. Do not use on broken skin. Stop use if rash or irritation occurs.
 FOR INDUSTRIAL ACTIVITIES: Use protective eyewear, gloves, clothing and general ventilation.

SECTION IX. PHYSICAL & CHEMICAL PROPERTIES

| | | | |
|-------------------|---------------------------------|-------------|---|
| FORM: | Liquid in pressurized metal can | COLOR: | Not available |
| ODOR: | Characteristic | SOLUBILITY: | Not available |
| SPECIFIC GRAVITY: | Not applicable | PRESSURE: | 40-55 PSIG at 70°F/21°C. 120-135 PSIG at 130°F/54°C. |
| MELTING POINT: | Not applicable | VISCOSITY: | Not available |

| | | | |
|-------------------|----------------|-------------------|-----|
| pH: | Not applicable | EVAPORATION RATE: | >1 |
| PERCENT VOLATILE: | Not available | PERCENT VOC: | <55 |

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. Do not use on broken skin.
INGESTION: May cause nausea, vomiting and diarrhea.
RESPIRATORY: Intentional misuse by deliberately concentrating and inhaling the contents can cause serious injury or death.

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.



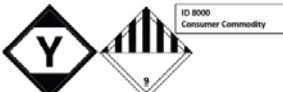
SECTION XIII. DISPOSAL CONSIDERATIONS

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 (D001) as defined at 40 CFR § 261.21. Hazardous Waste Generator may recover waste Ethanol for bulk liquid disposal (or recycling) pursuant to 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

| | | | |
|------------------------|---------------|--------------|------------|
| FOR SHIPMENT IN | GROUND | WATER | AIR |
|------------------------|---------------|--------------|------------|

| | | | |
|---------------------------|---|--|---|
| CONSUMER PACKAGING | | | |
| PROPER SHIPPING NAME: | Consumer Commodity | Aerosols | Consumer Commodity |
| HAZARD CLASS: | 9 | 2.1 | 9 |
| UN/ID #: | Not applicable | UN1950 | ID8000 |
| PACKING GROUP: | Not applicable | None | Not applicable |
| REQUIRED LABELING: |  |  |  |
| LABEL TYPE: | Limited Quantity | Limited Quantity | Limited Quantity, Miscellaneous |

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 (Not forbidden 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: Ethanol, Difluoroethane - 100 lbs

CA 22 CCR Hazardous Wastes: Ethanol

CA Proposition 65 Listed Chemicals: None/no reportable quantities

IL, MA, NJ, PA, RI State RTK, Hazardous & Other Notifications: Ethanol, Difluoroethane, Aminomethyl Propanol

SECTION XVI. OTHER INFORMATION

LEGEND:

| | | | |
|--------|--|------|--|
| ACGIH | American Conference of Governmental & Industrial Hygienists | N/A | Not Applicable |
| CAA | Clean Air Act | 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 (National Emission Standards for Hazardous Air 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 | | |

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 Regulatory Affairs
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