

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 Aerosol Deodorant Bodyspray – All Variants**

MSDS NUMBER: 1958

CORPORATE ADDRESS: Unilever
700 Sylvan Avenue
Englewood Cliffs, NJ 07632

PHONE #:	800-450-7850 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

WARNINGS:

- **Flammable Until Fully Dry. Do Not Use Near Heat, Flame Or While Smoking. Can Cause Serious Injury Or Death.**
- **Contents under pressure. Do not puncture or incinerate. Do not expose to heat or store at temperatures above 120°F/50°C or in enclosed places that could overheat.**
- **Avoid inhalation. Avoid spraying in eyes. Do not use on broken skin. Stop use if rash or irritation occurs.**
- **Use Only As Directed. Intentional Misuse By Deliberately Concentrating And Inhaling The Contents Can Be Harmful Or Fatal.**
- **Keep Out Of Reach Of Children.**

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
SD Alcohol 40-B (Ethanol)	64-17-5	40 – 65
Isobutane (Propellant A-46)	75-28-5	30 – 40*

Butane (Propellant A-17)	106-97-8	30 – 40*
Hydrofluorocarbon 152a (Difluoroethane)	75-37-6	20 – 40*
Propane (Propellant A-46)	74-98-6	5 – 10*

* See product label to determine if present (Isobutane & Propane are in HVOC variant, HFC 152a & Butane are in LVOC variant and HFC 152a is in non-VOC variant).

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: Product concentrate (liquid): Approximately 55°F/13°C.
 Aerosol flame extension: <18 inches/45 cm.
 NFPA 30B CLASSIFICATION: HVOC: Aerosol Level 3*
 LVOC: Aerosol Level 2*
 Non-VOC: Aerosol Level 1*
 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.
 * HVOC variant has Isobutane & Propane on product label, LVOC variant has HFC 152a & Butane and Non-VOC has HFC 152a.

SECTION VI. ACCIDENTAL RELEASE MEASURES

SPILLS, LEAKS: Small or household quantities may be cleaned up and disposed of in normal 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. Do not place near radiators or expose to sun or other sources of heat.

SECTION VIII. EXPOSURE CONTROLS / PERSONAL PROTECTION

CHEMICAL NAME	CAS #	ACGIH TLV	OSHA PEL
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Ethanol	64-17-5	TWA=1000 ppm	TWA=1000 ppm , 1900 mg/m ³
Isobutane (Propellant A-46)	75-28-5	TWA=1000 ppm	None established
Butane (Propellant A-17)	106-97-8	TWA=1000 ppm	None established
Difluoroethane (HFC-152a)	75-37-6	None established	None established
Propane (PropellantA-46)	74-98-6	TWA=1000 ppm	TWA=1000 ppm, 1800 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:	41-57 PSIG at 70°F/21°C. 105-130 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:	Not available

SECTION X. STABILITY & REACTIVITY

STABLE:

Yes.

HAZARDOUS DECOMPOSITION PRODUCTS:

None known.

INCOMPATIBLE WITH:

Strong oxidizers, acids or bases. Do not expose to heat or store 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 be fatal or harmful.

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 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 CONSUMER PACKAGING	DOMESTIC - ALL MODES (US DOT)	INTERNATIONAL - AIR (IATA/ICAO)	INTERNATIONAL - WATER (IMO/IMDG)
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: Isobutane, Butane, Difluoroethane, Propane

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, Isobutane, Butane, Difluoroethane and Propane - 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, Isobutane, Butane, Difluoroethane, Propane

CANADIAN DSL/NDSL: All components comply with registration requirements

SECTION XVI. OTHER INFORMATION

LEGEND:

ACGIH	American Conference of Governmental & Industrial Hygienists	IMO	International Maritime Organization
CAA	Clean Air Act	LVOC	Low Volatile Organic Compound
CARB	California Air Resources Board	N/A	Not Applicable
CAS	Chemical Abstract Service	NFPA	National Fire Protection Association
CCR	California Code of Regulations	NTP	National Toxicology Program
CERCLA	Comprehensive Environmental Response, Compensation & Liability Act	OSHA	Occupation Safety & Health Administration
CFR	Code of Federal Regulations	PEL	Permissible Exposure Limit
DOT	Department of Transportation	RCRA	Resource Conservation & Recovery Act
DSL/NDSL	Domestic Substances List/Non-Domestic Substances List	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
HPC	Home & Personal Care	TLV	Threshold Limit Value
HVOC	High Volatile Organic Compound	TSCA	Toxic Substances Control Act
IARC	International Agency for the Research of Cancer	TWA	Time Weighted Average
IATA	International Air Traffic Association	TCLP	Toxicity Characteristic Leaching Procedure
ICAO	International Civil Aviation Organization	VOC	Volatile Organic Compounds
IMDG	International Maritime Dangerous Goods	WHMIS	Workplace Hazardous Materials Information System

Unilever Home & Personal Care
 Technical Control Unit
 40 Merritt Boulevard
 Trumbull, CT 06611

Formulation, Date & Clearance:HVOC: 83115152-1, 9/2/2008, R78697
 LVOC: 8311515-1, 5/29/2008, R78696
 Coors: 83115707-1, 5/28/2008, R00TBD
 Pits: 83123297-2, 1/8/2009, R83872

MSDS Date: 4/24/2009 8:38 AM

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