

MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Material name CONSORT HAIR SPRAY EXTRA HOLD UNSCENTED
Revision date 12-Jan-2011
CAS # Mixture
Product use Aerosol Hair Fixative
Company information ALBERTO-CULVER USA, INC.
2525 Armitage Avenue
Melrose Park, IL 60160 US
Business Phone (708) 450-3000
Emergency Phone (708) 450-3175
Shipping Emergencies CHEMTREC 800 424-9300 or 703 527-3887
Emergency Emergency Phone (708) 450-3175
Shipping Emergencies CHEMTREC 800 424-9300 or 703 527-3887
General information Business Phone (708) 450-3000

2. Hazards Identification

Emergency overview CONTENTS UNDER PRESSURE.
EXTREMELY FLAMMABLE. Will be easily ignited by heat, spark or flames.
Contact with eyes may cause irritation.

Potential short term health effects

Eyes Contact with eyes may cause irritation. Health injuries are not known or expected under normal use.

Skin Health injuries are not known or expected under normal use.

Inhalation Health injuries are not known or expected under normal use. Intentional misuse by concentrating and inhaling the product can be harmful or fatal.

Ingestion Do not ingest. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Health injuries are not known or expected under normal use.

Target organs Central nervous system. Eyes. Respiratory system. Skin.

Chronic effects Conjunctiva. May cause central nervous system disorder (e.g., narcosis involving a loss of coordination, weakness, fatigue, mental confusion, and blurred vision) and/or damage.

Main symptoms Conjunctivitis. Rash. Irritation. Defatting of the skin. Narcosis. Behavioral changes. Decrease in motor functions.

3. Composition / Information on Ingredients

Components	CAS #	Percent
ALCOHOL DENAT.	64-17-5	< 60
Hydrofluorocarbon 152A	75-37-6	< 60

Composition comments This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

4. First Aid Measures

First aid

Eye contact Immediately flush eyes with plenty of water for at least 20 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops or persists.

Skin contact Wash off with soap and water. Get medical attention if irritation develops or persists.

Inhalation Move to fresh air. Call a physician if symptoms develop or persist.

Ingestion Have victim rinse mouth thoroughly with water. Do not induce vomiting without medical advice. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Do not use mouth-to-mouth method if victim ingested the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. If ingestion of a large amount does occur, seek medical attention.

Notes to physician Symptoms may be delayed.

General advice Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Call a physician if symptoms develop or persist. If you feel unwell, seek medical advice (show the label where possible).

5. Fire Fighting Measures

Unusual fire & explosion hazards

Vapor or gas may spread to distant ignition sources and flash back. Runoff to sewer may cause fire or explosion hazard. Containers may explode when heated.

Suitable extinguishing media

Small Fires: Dry chemical, CO₂, water spray or regular foam.

Large Fires: Water spray, fog or regular foam.

Fire fighting equipment/instructions

Wear full protective clothing, including helmet, self-contained positive pressure or pressure demand breathing apparatus, protective clothing and face mask. Move containers from fire area if you can do it without risk. Fight fire from maximum distance or use unmanned hose holders or monitor nozzles. ALWAYS stay away from tanks engulfed in flame. For massive fire, use unmanned hose holders or monitor nozzles; if this is impossible, withdraw from area and let fire burn. Withdraw immediately in case of rising sound from venting safety devices or any discoloration of tanks due to fire.

Special protective equipment for fire-fighters

Structural firefighters protective clothing will only provide limited protection.

Specific methods

In the event of fire and/or explosion do not breathe fumes.

Flash point

< -58 °F (< -50 °C) Propellant

Auto-ignition temperature

390.2 °F (199 °C) estimated

6. Accidental Release Measures

Containment procedures

Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible.

Personal precautions

Ventilate closed spaces before entering. Keep unnecessary personnel away. Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep out of low areas. Stay upwind.

Methods for cleaning up

Large Spills: Dike far ahead of liquid spill for later disposal. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean contaminated surface thoroughly.

7. Handling and Storage

Handling

Do not handle or store near an open flame, heat or other sources of ignition. Vapors may form explosive mixtures with air. All equipment used when handling the product must be grounded. Avoid contact with skin and eyes. Keep away from sources of ignition - No smoking. May be ignited by open flame. Do not breathe gas/fumes/vapor/spray.

Storage

Do not handle or store near an open flame, heat or other sources of ignition. Store in cool place. Keep in a well-ventilated place. This material can accumulate static charge which may cause spark and become an ignition source. The pressure in sealed containers can increase under the influence of heat. Use care in handling/storage. Keep the container dry. Keep this material away from food, drink and animal feed. Keep out of the reach of children.

Level 1 Aerosol

8. Exposure Controls / Personal Protection

Occupational exposure limits

ACGIH

Components	CAS #	Type	Value	Form
ALCOHOL DENAT.	64-17-5	STEL	1000 ppm	
TERT-BUTYL ALCOHOL	75-65-0	TWA	100 ppm	

U.S. - OSHA

Components	CAS #	Type	Value	Form
ALCOHOL DENAT.	64-17-5	PEL	1000 ppm	
			1900 mg/m ³	
TERT-BUTYL ALCOHOL	75-65-0	PEL	100 ppm	
			300 mg/m ³	

Personal protective equipment

Respiratory protection	No personal respiratory protective equipment normally required. Applicable for industrial settings only. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.
Hand protection	Not normally needed. Applicable for industrial settings only. Protective gloves.
Eye protection	Avoid contact with eyes. Applicable for industrial settings only. Wear chemical goggles.
Skin and body protection	Not normally needed. Applicable for industrial settings only. Use personal protective equipment as required.

Engineering measures to reduce exposure Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Use explosion-proof equipment if high dust/air concentrations are possible. Use explosion-proof ventilation equipment.

Hygiene measures Avoid contact with eyes. When using do not smoke. Keep away from food and drink. Handle in accordance with good industrial hygiene and safety practice.

9. Physical & Chemical Properties

Boiling point	> -13 °F (> -25 °C)
Form	Aerosol.
Percent volatile	95.2 % estimated
Vapor pressure	51 - 59 psi @ 70 °F
VOC	54.3 % estimated

10. Chemical Stability & Reactivity Information

Stability	Risk of explosion. Risk of ignition.
Incompatibility	Acids. Amines. Isocyanates. Strong oxidizing agents.

11. Toxicological Information

Acute toxicity Acute LC50: 0.07 mg/l, Mouse, Inhalation, estimated

Acute Inhalation: LC 50

ALCOHOL DENAT.	64-17-5	Mouse 0.039 mg/l 4 h
ALCOHOL DENAT.	64-17-5	Rat 20000 mg/l 10 h

Acute Oral: LD 50

ALCOHOL DENAT.	64-17-5	Rat 6.2 g/kg
ALCOHOL DENAT.	64-17-5	Dog 5.5 g/kg
ALCOHOL DENAT.	64-17-5	Rat 10.6 g/kg
ALCOHOL DENAT.	64-17-5	Rat 17.8 g/kg
ALCOHOL DENAT.	64-17-5	Rat 9.9 g/kg
ALCOHOL DENAT.	64-17-5	Rat 7060 mg/kg
ALCOHOL DENAT.	64-17-5	Guinea pig 5.6 g/kg
ALCOHOL DENAT.	64-17-5	Mouse 3450 mg/kg
ALCOHOL DENAT.	64-17-5	Rat 11.5 g/kg
TERT-BUTYL ALCOHOL	75-65-0	Rabbit 3600 mg/kg
TERT-BUTYL ALCOHOL	75-65-0	Rat 3500 mg/kg

Acute Toxicity other routes: LD 50

ALCOHOL DENAT.	64-17-5	Mouse 933 mg/kg Intraperitoneal
ALCOHOL DENAT.	64-17-5	Mouse 1973 mg/kg Intravenous
ALCOHOL DENAT.	64-17-5	Rat 3750 mg/kg Intraperitoneal
ALCOHOL DENAT.	64-17-5	Rat 1440 mg/kg Intravenous
ALCOHOL DENAT.	64-17-5	Mouse 8285 mg/kg Subcutaneous
TERT-BUTYL ALCOHOL	75-65-0	Mouse 1500 mg/kg Intravenous

Toxicology data for the preparation

Acute LC50: 0.07 mg/l, Mouse, Inhalation, estimated
Acute LC50: 37972 mg/l, Rat, Inhalation, estimated
Acute LD50: 10.44 g/kg, Dog, Oral, estimated
Acute LD50: 10.63 g/kg, Guinea pig, Oral, estimated
Acute LD50: 6550 mg/kg, Mouse, Oral, estimated
Acute LD50: 21.26 g/kg, Rat, Oral, estimated
Acute LD50: 12617 mg/kg, Rat, Oral, estimated
Acute LD50: 6577 mg/kg, Mouse, Other, estimated

Local effects Contact may irritate or burn eyes.

Carcinogenicity

US ACGIH Threshold Limit Values: A3 carcinogen

ALCOHOL DENAT. 64-17-5 A3 Confirmed animal carcinogen with unknown relevance to humans.

US ACGIH Threshold Limit Values: A4 carcinogen

TERT-BUTYL ALCOHOL 75-65-0 A4 Not classifiable as a human carcinogen.

Reproductivity

Possible reproductive hazard.

Chronic toxicity

Prolonged exposure may cause chronic effects.

Further information

Symptoms may be delayed.

12. Ecological Information

Ecotoxicity

This material is not expected to be harmful to aquatic life. Components of this product have been identified as having potential environmental concerns.

Invertebrate Toxicity: EC 50

ALCOHOL DENAT.	64-17-5	Water flea (Daphnia magna) > 10000 mg/l 24 h Static Intoxication
ALCOHOL DENAT.	64-17-5	Water flea (Daphnia magna) > 100 mg/l 24 h Static Intoxication
ALCOHOL DENAT.	64-17-5	Water flea (Daphnia magna) > 100 mg/l 4 h Static Intoxication
ALCOHOL DENAT.	64-17-5	Water flea (Daphnia magna) > 100 mg/l 2 h Static Intoxication
ALCOHOL DENAT.	64-17-5	Water flea (Daphnia magna) > 1.58 mg/l 24 h Static Intoxication
ALCOHOL DENAT.	64-17-5	Water flea (Daphnia magna) > 10000 mg/l 48 h Static Intoxication
ALCOHOL DENAT.	64-17-5	Water flea (Daphnia magna) 7.7 - 11.2 mg/l 48 h Static Intoxication
ALCOHOL DENAT.	64-17-5	Water flea (Daphnia obtusa) 10100 - 11200 mg/l 48 h Static Intoxication
ALCOHOL DENAT.	64-17-5	Water flea (Daphnia obtusa) 12300 - 13400 mg/l 24 h Static Intoxication
ALCOHOL DENAT.	64-17-5	Water flea (Daphnia magna) > 100 mg/l 6 h Static Intoxication
TERT-BUTYL ALCOHOL	75-65-0	Water flea (Daphnia magna) 4607 - 6577 mg/l 48 h Static Intoxication
TERT-BUTYL ALCOHOL	75-65-0	Water flea (Daphnia magna) 4607 - 6577 mg/l 24 h Static Intoxication

Micro-organisms Toxicity: LC 50

ALCOHOL DENAT.	64-17-5	Turbellarian, flatworm (Dugesia tigrina) > 100 mg/l 96 h Static Mortality
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Persistence and degradability

Not available.

13. Disposal Considerations

Waste codes

D001: Waste Flammable material with a flash point <140 F

Disposal instructions

Must be incinerated in a suitable incineration plant holding a permit delivered by the competent authorities. If discarded, this product is considered a RCRA ignitable waste, D001. Incinerate the material under controlled conditions in an approved incinerator.

14. Transport Information

Department of Transportation (DOT) Requirements

<= 1L (33.8 Fl. Oz)

Basic shipping requirements:

Proper shipping name Consumer commodity

Hazard class ORM-D

Subsidiary hazard class None

Additional information:

Packaging exceptions 156, 306

Packaging non bulk 156, 306

Packaging bulk None

IATA

<= 1L (33.8 Fl. Oz)

Basic shipping requirements:

Proper shipping name Consumer commodity

Hazard class 9

Subsidiary hazard class 3

UN number ID8000

Packaging instructions 910



IATA**Basic shipping requirements:**

Proper shipping name Refrigerant gas R 152a
Hazard class 2.1
UN number 1030
Packaging instructions Forbidden

**IMDG****Basic shipping requirements:**

Proper shipping name 1,1-DIFLUOROETHANE
Hazard class 2.1
UN number 1030
Additional information:
Hazard ID 23
Item 2F
Labels required 2.1
Transport Category 2
 (B/D)

**15. Regulatory Information**

US federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
 CERCLA/SARA Hazardous Substances - Not applicable.

US EPCRA (SARA Title III) Section 313 - Toxic Chemical: De minimis concentration

TERT-BUTYL ALCOHOL 75-65-0 1.0 %

Occupational Safety and Health Administration (OSHA)

29 CFR 1910.1200 Yes
hazardous chemical

CERCLA (Superfund) reportable quantity

None

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Section 302 extremely hazardous substance No
Section 311 hazardous chemical Yes
Hazard categories Immediate Hazard - Yes
 Delayed Hazard - Yes
 Fire Hazard - Yes
 Pressure Hazard - No
 Reactivity Hazard - No

HMIS ratings Health: 3*
 Flammability: 4
 Physical hazard: 1

NFPA ratings Health: 2
 Flammability: 4
 Instability: 1

International regulations The product is classified and labelled in accordance with EC directives or respective national laws.

Inventory status

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	No
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (CCS)	No
Europe	European Inventory of New and Existing Chemicals (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Japanese Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Korean Inventory of Chemicals (KICS)	No
New Zealand	New Zealand Inventory	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

State regulations

US - New Jersey Community RTK (EHS Survey): Reportable threshold

Hydrofluorocarbon 152A	75-37-6	500 LBS
TERT-BUTYL ALCOHOL	75-65-0	500 LBS

US - Pennsylvania RTK - Hazardous Substances: Listed substance

ALCOHOL DENAT.	64-17-5	Listed.
TERT-BUTYL ALCOHOL	75-65-0	Listed.

16. Other Information

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

Recommended use

Aerosol Hair Fixative

Issue date

12-Jan-2011