

## MATERIAL SAFETY DATA SHEET

## 1. Product and Company Identification

**Material name** TRESEMME HAIR SPRAY CONTINUOUS MOISTURE EXTRA HOLD  
**Revision date** 22-Aug-2008  
**CAS #** Mixture  
**Product use** 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** Flammable.  
 Harmful in contact with eyes.

**Potential short term health effects**

**Eyes** Contact with eyes may cause irritation.

**Skin** Health injuries are not known or expected under normal use. Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash).

**Inhalation** Intentional misuse by concentrating and inhaling the product can be harmful or fatal.

**Ingestion** Do not ingest. Health injuries are not known or expected under normal use.

**Target organs** Eyes. Respiratory system. Skin.

**Chronic effects** May cause central nervous system disorder (e.g., narcosis involving a loss of coordination, weakness, fatigue, mental confusion, and blurred vision) and/or damage. May cause delayed lung damage. Prolonged skin contact may defat the skin and produce dermatitis. Conjunctiva.

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

## 3. Composition / Information on Ingredients

Components	CAS #	Percent
ALCOHOL DENAT.	64-17-5	< 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. 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. If ingestion of a large amount does occur, seek medical attention.

## Notes to physician

Symptoms may be delayed.

## General advice

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 &amp; 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.

<b>Suitable extinguishing media</b>	Small Fires: Dry chemical, CO2, water spray or regular foam. Large Fires: Water spray, fog or regular foam.
<b>Fire fighting equipment/instructions</b>	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.
<b>Special protective equipment for fire-fighters</b>	Structural firefighters protective clothing will only provide limited protection.
<b>Specific methods</b>	In the event of fire and/or explosion do not breathe fumes.
<b>Flash point</b>	> 75 °F (> 23.9 °C)
<b>Auto-ignition temperature</b>	685.4 °F (362.8 °C) estimated

## 6. Accidental Release Measures

<b>Containment procedures</b>	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.
<b>Personal precautions</b>	Do not touch or walk through spilled material. Keep people away from and upwind of spill/leak.
<b>Methods for cleaning up</b>	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.  Never return spills in original containers for re-use.

## 7. Handling and Storage

<b>Handling</b>	Do not handle or store near an open flame, heat or other sources of ignition. 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.
<b>Storage</b>	Keep away from heat and 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 container tightly closed. Keep the container dry. Keep this material away from food, drink and animal feed. Keep out of the reach of children. Do not handle or store near an open flame, heat or other sources of ignition.  Class IC Flammable Liquid.

## 8. Exposure Controls / Personal Protection

<b>Personal protective equipment</b>	
<b>Respiratory protection</b>	When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. No personal respiratory protective equipment normally required.
<b>Hand protection</b>	Applicable for industrial settings only. Protective gloves.
<b>Eye protection</b>	Avoid contact with eyes. Applicable for industrial settings only. Wear chemical goggles.
<b>Skin and body protection</b>	Not normally needed.
<b>Engineering measures to reduce exposure</b>	Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.
<b>Hygiene measures</b>	When using do not smoke. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with the skin and the eyes. Keep away from food and drink.

## 9. Physical & Chemical Properties

<b>Boiling point</b>	> 179 °F (> 81.7 °C)
<b>Flammability</b>	Not available.
<b>Form</b>	Liquid.
<b>Percent volatile</b>	55.9942 %
<b>PH</b>	6.45 - 7.05
<b>Specific gravity</b>	0.901 - 0.921

Material name: TRESEMME HAIR SPRAY CONTINUOUS MOISTURE EXTRA HOLD

MSDS US

Formula: 95853-A Version #: 1.0 Revision date: 22-AUG-2008 Print date: 22-AUG-2008

2 / 5

VOC 55.9842 %

## 10. Chemical Stability & Reactivity Information

**Stability** Risk of ignition.  
**Conditions to avoid** High temperatures. Direct sources of heat.  
**Hazardous polymerization** Will not occur.  
**Incompatibility** Acids. Amines. Isocyanates.

## 11. Toxicological Information

**Local effects** Contact may irritate or burn eyes.

### Carcinogenicity

US ACGIH Threshold Limit Values: A4 carcinogen

ALCOHOL DENAT. 64-17-5 Group 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: EC50 value

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) > 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) > 10000 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 8 h Static Intoxication

### Micro-organisms Toxicity: LC50 value

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

## 13. Disposal Considerations

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

**Disposal instructions** Dispose in accordance with all applicable regulations. 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:

<b>Proper shipping name</b>	Consumer commodity
<b>Hazard class</b>	ORM-D
<b>UN number</b>	8000

#### Additional information:

<b>Packaging exceptions</b>	156, 306
<b>Packaging non bulk</b>	156, 306
<b>Packaging bulk</b>	None
<b>ERG number</b>	128

**Department of Transportation (DOT) Requirements**

**Basic shipping requirements:**

**Proper shipping name** FLAMMABLE LIQUID n.o.s. (ETHANOL MIXTURE)  
**Hazard class** 3  
**UN number** UN1993  
**Packaging group** III  
**Additional information:**  
**Special provisions** 24, IB2, T4, TP1  
**Packaging exceptions** 150  
**Packaging non bulk** 202  
**Packaging bulk** 242  
**ERG number** 128



**IATA**

**<= 1L (33.8 Fl. Oz)**

**Basic shipping requirements:**

**Proper shipping name** Consumer commodity  
**Hazard class** ORM-D  
**UN number** 8000  
**Additional information:**  
**Packaging exceptions** 156, 306  
**Labels required** None

**IATA**

**Basic shipping requirements:**

**Proper shipping name** FLAMMABLE LIQUID n.o.s. (ETHANOL MIXTURE)  
**Hazard class** 3  
**UN number** UN1993  
**Packaging group** III  
**Packaging instructions** 305



**IMDG**

**Basic shipping requirements:**

**Proper shipping name** FLAMMABLE LIQUID n.o.s. (ETHANOL MIXTURE)  
**Hazard class** 3  
**UN number** 1993  
**Packaging group** III  
**Additional information:**  
**Hazard ID** 33  
**Item** F1  
**Labels required** 3  
**Transport Category** 2



**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.

**Occupational Safety and Health Administration (OSHA)**

29 CFR 1910.1200 hazardous chemical Yes

**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

**HMS ratings** Health: 1  
Flammability: 3  
Physical hazard: 1

**NFPA ratings** Health: 1  
Flammability: 3  
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**

**WARNING:** This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

US - Pennsylvania RTK - Hazardous Substances: Listed substance

ALCOHOL DENAT. 64-17-5 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.

**Issue date**

22-Aug-2008