



# Safety Data Sheet

Issue Date 03-Jul-2013

Revision Date: 08-Jul-2013

Version 1

## 1. IDENTIFICATION

**Product Identifier**

**Product Name** SUPERHOLD WATERLESS AEROSOL HAIRSPRAY

**Other means of identification**

**SDS #** CC-014

**UN/ID No** UN1950

**Recommended use of the chemical and restrictions on use**

**Recommended Use** Hairspray.

**Details of the supplier of the safety data sheet**

**Supplier Address**  
Chris Christensen Systems Inc.  
PO Box 961  
Fairfield, TX 75840

**Emergency Telephone Number**

**Company Phone Number** 903-389-7949  
**Emergency Telephone (24 hr)** INFOTRAC 1-352-323-3500 (International)  
1-800-535-5053 (North America)

## 2. HAZARDS IDENTIFICATION

**Classification**

Flammable Aerosols | Category 2

**Signal Word**

Warning

**Hazard Statements**

Flammable Aerosol



**Appearance** Aerosolized Mist

**Physical State** Aerosol

**Odor** Fragrance added

**Precautionary Statements - Prevention**

Keep away from heat/sparks/open flames/hot surfaces. — No smoking  
 Do not spray on an open flame or other ignition source  
 Pressurized container: Do not pierce or burn, even after use

**Precautionary Statements - Storage**

Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F

**Other Hazards**

Toxic to aquatic life with long lasting effects  
 Toxic to aquatic life

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Ethanol	64-17-5	<50
Petroleum distillates	68476-85-7	<25
1,1 difluoroethane	75-37-6	<25

### 4. FIRST-AID MEASURES

**First Aid Measures**

<b>Eye Contact</b>	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
<b>Skin Contact</b>	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Rinse skin with plenty of cool running water. If irritation persists, seek medical attention.
<b>Inhalation</b>	Remove to fresh air and keep at rest. Monitor respiratory function. If breathing is difficult, give oxygen. If necessary, give artificial respiration. Seek medical attention.
<b>Ingestion</b>	Induce vomiting, but only if victim is fully conscious. Rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person. Call a physician or poison control center immediately.

**Most important symptoms and effects**

<b>Symptoms</b>	May cause eye irritation. Skin contact can lead to drying, defatting, itching, stinging and irritation. Inhalation of concentrated fumes can cause headache, nausea, wheezing, and shortness of breath, tremor and fatigue. May be harmful or fatal if swallowed.
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**Indication of any immediate medical attention and special treatment needed**

<b>Notes to Physician</b>	Treat symptomatically. Chronic effects of exposure: Damage may occur to heart, kidneys and liver.
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## 5. FIRE-FIGHTING MEASURES

### Suitable Extinguishing Media

Water. Dry chemical. Use water spray to cool fire-exposed equipment and containers and to disperse vapors.

**Unsuitable Extinguishing Media** Not determined.

### Specific Hazards Arising from the Chemical

Product is extremely flammable aerosol. Alcohol flames may be difficult to see; the flames are virtually colorless. Vaporizes easily at room temperature. Vapors are heavier than air and may travel along ground to ignition sources and flash back. Vapors may cause a flash fire or ignite explosively. Prevent buildup of vapors or gases to explosive concentrations. Fire or excessive heat may result in rupture of container due to bulk polymerization. Heating may cause an explosion.

**Hazardous Combustion Products** Combustion products include but are not limited to carbon monoxide and carbon dioxide.

### Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

**Personal Precautions** Use personal protective equipment as required.

### Methods and material for containment and cleaning up

**Methods for Containment** Prevent further leakage or spillage if safe to do so.

**Methods for Clean-Up** Absorb with inert material, and then place in suitable container for chemical waste.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

**Advice on Safe Handling** Handle in accordance with good industrial hygiene and safety practice. Wash contaminated clothing before reuse. Use personal protection recommended in Section 8. Product is flammable. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Do not smoke until hair is fully dry. Do not spray in eyes. Follow all product label instructions. Use only as directed. Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal.

### Conditions for safe storage, including any incompatibilities

**Storage Conditions** Keep container tightly closed and store in a cool, dry and well-ventilated place. Keep away from heat/sparks/open flames/hot surfaces. — No smoking. Store in accordance with NFPA 30B for level II aerosols in a room with even, normal temperature; away from sunlight, radiators, and heating elements. Do not expose to temperatures exceeding 50 °C/122°F. Keep out of the reach of children.

**Incompatible Materials** Oxidizing materials.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Exposure Guidelines**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Ethanol 64-17-5	STEL: 1000 ppm	TWA: 1000 ppm TWA: 1900 mg/m <sup>3</sup> (vacated) TWA: 1000 ppm (vacated) TWA: 1900 mg/m <sup>3</sup>	IDLH: 3300 ppm TWA: 1000 ppm TWA: 1900 mg/m <sup>3</sup>
Petroleum distillates 68476-85-7	TWA: 1000 ppm	TWA: 1000 ppm TWA: 1800 mg/m <sup>3</sup> (vacated) TWA: 1000 ppm (vacated) TWA: 1800 mg/m <sup>3</sup>	IDLH: 2000 ppm TWA: 1000 ppm TWA: 1800 mg/m <sup>3</sup>

**Appropriate engineering controls**

**Engineering Controls** Apply technical measures to comply with the occupational exposure limits. Eyewash stations. Showers.

**Individual protection measures, such as personal protective equipment**

**Eye/Face Protection** Wear safety glasses with side shields (or goggles).

**Skin and Body Protection** Chemical resistant, impermeable gloves. Suitable protective clothing.

**Respiratory Protection** Ensure adequate ventilation, especially in confined areas. In inadequately ventilated areas, where workplace limits are exceeded, or where unpleasant odors exist or aerosols are in use, or smoke or mist occur, use self-contained breathing apparatus or NIOSH/MSHA approved respirator as appropriate.

**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Information on basic physical and chemical properties**

<b>Physical State</b>	Aerosol	<b>Odor</b>	Fragrance added
<b>Appearance</b>	Aerosolized Mist	<b>Odor Threshold</b>	Not determined
<b>Color</b>	Colorless		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
<b>pH</b>	Not available	
<b>Melting Point/Freezing Point</b>	Not available	
<b>Boiling Point/Boiling Range</b>	8 °C / 46 °F	
<b>Flash Point</b>	-63 °C / -82 °F	Tag Closed Cup
<b>Evaporation Rate</b>	Not determined	
<b>Flammability (Solid, Gas)</b>	24.6 kJ/g	Estimated
<b>Upper Flammability Limits</b>	16.9% (VOL.) GAS IN AIR	
<b>Lower Flammability Limit</b>	1.8% (VOL.) GAS IN AIR	
<b>Vapor Pressure</b>	69 PSIG	
<b>Vapor Density</b>	Not determined	
<b>Specific Gravity</b>	0.808	@ 22°C
<b>Water Solubility</b>	60%	
<b>Solubility in other solvents</b>	Not determined	
<b>Partition Coefficient</b>	Not determined	
<b>Autoignition Temperature</b>	Not determined	
<b>Decomposition Temperature</b>	Not determined	
<b>Kinematic Viscosity</b>	Not determined	
<b>Dynamic Viscosity</b>	Not determined	
<b>Explosive Properties</b>	Not determined	
<b>Oxidizing Properties</b>	Not determined	

## 10. STABILITY AND REACTIVITY

### Reactivity

Not reactive under normal conditions.

### Chemical Stability

Stable under recommended storage conditions.

### Possibility of Hazardous Reactions

None under normal processing.

**Hazardous Polymerization**      Hazardous polymerization does not occur.

### Conditions to Avoid

Keep out of reach of children. Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures above 120°F. Extremes of temperature and direct sunlight.

### Incompatible Materials

Oxidizing materials.

### Hazardous Decomposition Products

Carbon monoxide. Volatile hydrocarbon vapors.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

#### Product Information

**Eye Contact**                      Avoid contact with eyes.

**Skin Contact**                      Avoid contact with skin.

**Inhalation**                          Avoid breathing vapors or mists.

**Ingestion**                          Do not taste or swallow.

### Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Ethanol 64-17-5	= 7060 mg/kg ( Rat )	-	= 124.7 mg/L ( Rat ) 4 h

### Information on physical, chemical and toxicological effects

**Symptoms**                          Please see section 4 of this SDS for symptoms.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure****Carcinogenicity**

The table below indicates whether each agency has listed any ingredient as a carcinogen. However, the product as a whole has not been tested. Ethanol has been shown to be carcinogenic in long-term studies only when consumed as alcoholic beverage.

Chemical Name	ACGIH	IARC	NTP	OSHA
Ethanol 64-17-5	A3	Group 1	Known	X

**Legend**

**ACGIH (American Conference of Governmental Industrial Hygienists)**

A3 - Animal Carcinogen

**IARC (International Agency for Research on Cancer)**

Group 1 - Carcinogenic to Humans

**NTP (National Toxicology Program)**

Known - Known Carcinogen

**OSHA (Occupational Safety and Health Administration of the US Department of Labor)**

X - Present

**Target organ effects**

Heart, liver, Kidneys.

**Numerical measures of toxicity**

Not determined

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity**

Toxic to aquatic life with long lasting effects.

**Component Information**

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Ethanol 64-17-5		12.0 - 16.0: 96 h Oncorhynchus mykiss mL/L LC50 static 100: 96 h Pimephales promelas mg/L LC50 static 13400 - 15100: 96 h Pimephales promelas mg/L LC50 flow-through	EC50 = 34634 mg/L 30 min EC50 = 35470 mg/L 5 min	9268 - 14221: 48 h Daphnia magna mg/L LC50 10800: 24 h Daphnia magna mg/L EC50 2: 48 h Daphnia magna mg/L EC50 Static

**Persistence/Degradability**

Not determined

**Bioaccumulation**

Not determined

**Mobility**

Chemical Name	Partition Coefficient
Ethanol 64-17-5	-0.32
Petroleum distillates 68476-85-7	<=2.8

**Other Adverse Effects**

Not determined

### 13. DISPOSAL CONSIDERATIONS

#### Waste Treatment Methods

<b>Disposal of Wastes</b>	Disposal should be in accordance with applicable regional, national and local laws and regulations.
<b>Contaminated Packaging</b>	Disposal should be in accordance with applicable regional, national and local laws and regulations.

#### California Hazardous Waste Status

Chemical Name	California Hazardous Waste Status
Ethanol 64-17-5	Toxic Ignitable

### 14. TRANSPORT INFORMATION

**Note** Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances. Based on package size, product may be eligible for limited quantity exception.

#### DOT

<b>UN/ID No</b>	UN1950
<b>Proper Shipping Name</b>	Aerosols
<b>Hazard Class</b>	2.1

#### IATA

<b>UN/ID No</b>	UN1950
<b>Proper Shipping Name</b>	Aerosols, flammable
<b>Hazard Class</b>	2.1

#### IMDG

<b>UN/ID No</b>	UN1950
<b>Proper Shipping Name</b>	Aerosols
<b>Hazard Class</b>	2.1

### 15. REGULATORY INFORMATION

#### International Inventories

**TSCA** Complies

#### Legend:

*TSCA - United States Toxic Substances Control Act Section 8(b) Inventory*

*DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List*

*EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances*

*ENCS - Japan Existing and New Chemical Substances*

*IECSC - China Inventory of Existing Chemical Substances*

*KECL - Korean Existing and Evaluated Chemical Substances*

*PICCS - Philippines Inventory of Chemicals and Chemical Substances*

**US Federal Regulations****SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

**US State Regulations****California Proposition 65**

Ethyl alcohol is only a considered a Proposition 65 developmental hazard when it is ingested as an alcoholic beverage.

Chemical Name	California Proposition 65
Ethanol - 64-17-5	Carcinogen Developmental

**U.S. State Right-to-Know Regulations**

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Ethanol 64-17-5	X	X	X
Petroleum distillates 68476-85-7	X	X	X
1,1 difluoroethane 75-37-6	X	X	

**16. OTHER INFORMATION****NFPA****Health Hazards**

Not determined

**Flammability**

Not determined

**Instability**

Not determined

**Special Hazards**

Not determined

**HMIS****Health Hazards**

Not determined

**Flammability**

Not determined

**Physical Hazards**

Not determined

**Personal Protection**

Not determined

**Issue Date**

03-Jul-2013

**Revision Date:**

08-Jul-2013

**Revision Note**

New format

**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.

**End of Safety Data Sheet**