



# SAFETY DATA SHEET WITCH HAZEL (14% STANDARD ALCOHOL), USP

## 1 IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1 Product Identifier:

**Product Name:** WITCH HAZEL (14% STANDARD ALCOHOL), USP  
**SDS Number:** 1  
**Manufacturer Item Number:** FG003101  
**Synonyms:** Hamamelis Water, Witch Hazel Distillate

### 1.2 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against:

**Recommended Use:** Astringent/Skin Cleanser  
**Restrictions on Use:** None Known

### 1.3 Details of the Supplier of the Safety Data Sheet:

**Manufacturer:** American Distilling Inc.  
**Address:** 31 East High Street  
 East Hampton, CT  
 06424, U.S.A.  
  
**Telephone Number:** (860) 267-4444  
**Fax:** (860) 267-1111  
**Email:** [SDS@americandistilling.com](mailto:SDS@americandistilling.com)  
**Website:** [www.americandistilling.com](http://www.americandistilling.com)

**1.4 Emergency Telephone Number:** +44 20 3807 3798 (London)

## 2 HAZARDS IDENTIFICATION

### 2.1 Classification of the Substance or Mixture:

Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]:  
 Not classified

### 2.2 Label Elements

None

### 2.3 Other Hazards

None Known

## 3 COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Mixture:

Hazardous Components	CAS Number	EC Number	Classification	Percent
Witch Hazel Distillate	84696-19-5	283-637-9	Not Hazardous	85-86%
Ethanol	64-17-5	200-578-6	Flam. Liq. Cat. 2 (H225) Eye Irrit. Cat. 2 (H319)	14-15%

Refer to Section 16 for the full text of the GHS Classifications.



## 4 FIRST AID MEASURES

### 4.1 Description of First Aid Measures:

<b>Eye</b>	Flush victim's eyes with water, while holding the eyelids apart. Remove contact lenses if present and easy to do so. Continue rinsing. Get medical attention if irritation persists.
<b>Skin</b>	None normally required. For excessive unintentional exposures, wash skin with water.
<b>Inhalation</b>	Remove to fresh air. Get medical attention if irritation or symptoms occur.
<b>Ingestion</b>	If small quantities are swallowed, rinse out mouth with water. Do not induce vomiting unless directed to by a doctor or physician. Get medical attention for large ingestions.

### 4.2 Most Important Symptoms and Effects, Both Acute and Delayed:

May cause mild irritation to eyes, skin, and upper respiratory tract. Ingestion may result in nervous system effects including headache, sleepiness, dizziness, slurred speech, and blurred vision.

### 4.3 Indication of Any Immediate Medical Attention and Special Treatment Needed:

Immediate medical attention should not be required.

## 5 FIREFIGHTING MEASURES

### 5.1 Suitable and Unsuitable Extinguishing Media:

Use water spray, fog or mist, alcohol foam, or dry chemicals to extinguish.

### 5.2 Special Hazards Arising from the Substance or Mixture:

This is not classified as flammable or combustible. This product will not sustain combustion. However, vapors may accumulate in confined areas and present a fire or explosion hazard. Vapors may be heavier than air and travel along surfaces to remote ignition sources. Exposure to high temperatures may release flammable hydrocarbons that can accumulate in confined areas and present a fire or explosion hazard. Burning may release hydrocarbons, and oxides of carbon.

### 5.3 Advice for Fire-Fighters:

Firefighters should wear full emergency equipment and approved positive pressure self-contained breathing apparatus for all fires involving chemicals.

## 6 ACCIDENTAL RELEASE MEASURES

### 6.1 Personal Precautions, Protective Equipment and Emergency Procedures:

Avoid breathing vapors, or mist. Ventilate the area. Remove all sources of ignition. Wear appropriate personal protective equipment as specified in Section 8. Keep unnecessary personnel away.



**6.2 Environmental Precautions:**

Do not flush large quantities into surface water or sanitary sewer system. Prevent large quantities of product from entering drains. For smaller quantities, drench with water making sure washings enter drain only when very dilute.

**6.3 Methods and Material for Containment and Cleaning up:**

Stop spill at source if safe to do so. Contain spill and pump liquid into a suitable container or absorb with an inert absorbent and place in a suitable container. Clean spill area with water.

**6.4 Reference to Other Sections:**

Refer to Section 8 for Personal Protective Equipment and Section 13 for Disposal information.

**7 HANDLING AND STORAGE**

**7.1 Precautions for Safe Handling:**

Keep away from heat, sparks and open flame. Use with adequate ventilation. Avoid contact with eyes, skin and clothing. Avoid breathing vapors and mists. Wash exposed skin thoroughly with soap and water after use. Wear appropriate personal protective equipment as specified in Section 8. Observe good industrial hygiene practices.

**7.2 Conditions for Safe Storage, Including Any Incompatibilities:**

Store in a cool, dry, well-ventilated area. Keep container tightly closed. Store away from oxidizing agents and other incompatible materials. Keep away from open flames, sparks, and excessive heat. Store in containers made of stainless steel, HDPE, PET, or glass. Do not store in contact with Iron, Aluminum, Zinc, Copper or their alloys since Witch Hazel is particularly reactive with Iron. Product will discolor if it comes in contact with Iron.

**7.3 Specific End Use(s):**

Cosmetic Astringent/Skin Cleanser

**8 EXPOSURE CONTROLS/PERSONAL PROTECTION**

**8.1 Control Parameters:**

**Occupational Exposure Limits:**

Witch Hazel Distillate	None Established
Ethanol	United Kingdom – 1000 ppm TWA WEL Germany – 500 ppm TWA, 1000 ppm STEL MAK France – 1000 ppm TWA, 5000 ppm STEL

**Biological Exposure Limits:**

None Established



## 8.2 Exposure Controls:

**Appropriate Engineering Controls:** A system of local or general exhaust is recommended.

### Individual Protection Measures (PPE):

**Specific Eye/face Protection:** Chemical safety glasses recommended.

**Specific Skin Protection:** Protective gloves recommended if needed to avoid prolonged contact. Wear protective clothing as necessary to avoid skin contact.

**Specific Respiratory Protection:** None under normal use conditions. For operations where exposure limits are exceeded, an approved respirator with an organic vapor cartridge and a dust/mist pre-filter or supplied air respirator is recommended. Equipment selection depends on contaminant type and concentration. Select in accordance with good industrial hygiene practice. For firefighting, use self-contained breathing apparatus.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on Basic Physical and Chemical Properties:

<b>Appearance:</b>	Clear, colorless liquid	<b>Explosive Limits:</b>	<b>LEL:</b> Not determined <b>UEL:</b> Not determined
<b>Odor:</b>	Characteristic	<b>Vapor Pressure (mmHg):</b>	18.75 mm Hg (65.8°F/20°C)
<b>Odor Threshold:</b>	Not determined	<b>Vapor Density:</b>	1.03 (Air =1)
<b>pH:</b>	3.0 – 5.0	<b>Relative Density:</b>	0.976 – 0.982 @ 20°C
<b>Melting/Freezing Point:</b>	17.6°F (-8°C)	<b>Solubility:</b>	Very soluble in water
<b>Initial Boiling Point and Range:</b>	190.4°F (88°C) (see other information below)	<b>Partition Coefficient: n-octanol/water:</b>	Not available
<b>Flash Point:</b>	109.6°F (43.1°C)	<b>Auto-ignition Temperature:</b>	Not determined
<b>Evaporation Rate:</b>	Not determined	<b>Decomposition Temperature:</b>	Not determined
<b>Flammability (solid, gas):</b>	Not applicable	<b>Viscosity:</b>	Not determined
<b>Explosive Properties:</b>	Non-explosive	<b>Oxidizing Properties:</b>	Not an oxidizer

### 9.2 Other Information:

Does not sustain combustion when tested in accordance with the regulations for transport of dangerous goods.



10 STABILITY AND REACTIVITY

10.1 Reactivity:

Product will discolor if it comes in contact with Iron.

10.2 Chemical Stability:

Stable under normal conditions.

10.3 Possibility of Hazardous Reactions:

May react with oxidizing materials.

10.4 Conditions to Avoid:

Heat, flames, sparks, and other sources of ignition.

10.5 Incompatible materials:

Avoid oxidizing agents, and acids. Do not store in contact with Iron, Aluminum, Zinc, Copper or their alloys.

10.6 Hazardous Decomposition Products:

Releases unburned hydrocarbons and oxides of carbon at elevated temperatures.

11 TOXICOLOGICAL INFORMATION

11.1 Information on Toxicological Effects:

Potential Health Effects:

Eyes	May cause mild irritation.	Ingestion	Small amounts are not anticipated to cause adverse effects. Large quantities may cause nervous system effects including headache, sleepiness, dizziness, slurred speech, and blurred vision.
Skin	May cause mild irritation on prolonged contact.	Inhalation	May cause mild irritation.

Chronic Health Effects:

None expected under normal use.

Irritation:

This product is not an irritant. Product is below EU CLP special concentration limit for ethanol.

Corrosivity:

This product is not corrosive.

Skin Sensitization:

This product is not a skin sensitizer.



**Respiratory Sensitization:**

This product is not a respiratory sensitizer.

**Carcinogenicity:**

None of the components of this product are listed as carcinogens by the IARC, or EU CLP.

**Germ Cell Mutagenicity:**

Components are not germ cell mutagens.

**Acute Toxicity Data:**

Witch Hazel Distillate: Not acutely toxic.

Ethanol: Oral rat LD50 7,060 mg/kg; inhalation rat LC50 117-125 mg/L/4 hr.

**Reproductive Toxicity Data:**

Components are not reproductive toxins.

**Specific Target Organ Toxicity Single Exposure (STOT-SE):**

No adverse effects are expected.

**Specific Target Organ Toxicity Repeated Exposure (STOT-RE):**

No adverse effects are expected.

**Aspiration:**

Not an aspiration hazard.

## 12 ECOLOGICAL INFORMATION

**12.1 Toxicity:**

No information available.

**12.2 Persistence and Degradability:**

Readily biodegradable.

**12.3 Bio-accumulative Potential:**

Low bioaccumulation potential.

**12.4 Mobility in Soil:**

No data is currently available.

**12.5 Results of PBT and vPvB Assessment:**

Components do not meet the criteria for PBT or vPvB.

**12.6 Other Adverse Effects:**

None.



13 DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods:

Dispose in accordance with national and local regulations.

14 TRANSPORT INFORMATION

	14.1 UN Number	14.2 UN Proper Shipping Name	14.3 Hazard Class(s)	14.4 Packing Group	14.5 Environmental Hazards
ADR/RID <sup>1</sup>	None	Not Regulated	None	None	Not Applicable
IMDG <sup>2</sup>	None	Not Regulated	None	None	Not Applicable
IATA/ICAO <sup>3</sup>	None	Not Regulated	None	None	Not Applicable

14.6 Special Precautions for User:

<sup>1</sup> Aqueous solutions of ethyl alcohol and alcoholic beverages containing not more than 24% alcohol by volume are not subject to the provisions of the ADR.

<sup>2</sup> Special provision 144. Aqueous solutions containing 24% or less ethanol by volume.

<sup>3</sup> Special provision A58. Ethanol aqueous solutions containing 24% or less alcohol by volume.

Under the sustained combustibility test L2 the product does not support combustion, therefore the material is classified as "Non-Hazardous" for transportation.

14.7 Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code:

Not applicable

15 REGULATORY INFORMATION

15.1 Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture:

International Inventories:

**US EPA TSCA Inventory:** All the components of this product are listed in the EPA TSCA Inventory.

**Canadian Environmental Protection Act:** All of the components are listed in the Canadian DSL.

**EU Inventory:** All of the components are listed on the EINECS inventory.

**Australia:** All of the ingredients of this product are listed on the Australian Inventory of Chemical Substances.

**New Zealand:** All of the ingredients of this product are listed on the New Zealand Inventory of Chemicals (NZIoC),

**China.** All of the ingredients of this product are listed on the Inventory of Existing Chemical Substances in China (IECSC).

**Philippines:** All of the ingredients of this product are listed on the Philippines Inventory of Chemicals and Chemical Substances (PICCS).



## INTERNATIONAL REGULATIONS

German WGK: 1

### 15.2 Chemical Safety Assessment:

None required

## 16 OTHER INFORMATION

Full text of Classification abbreviations used in Section 2 and 3:

Eye Irrit. Cat. 2 – Eye Irritation Category 2

Flam. Liq. Cat. 2 – Flammable Liquid Category 2

H225 – Highly flammable liquid and vapor.

H319 – Causes serious eye irritation.



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Data Sources: US NLM ChemID Plus and HSDB, Substance SDS for components, ECHA REACH Registration Website, Country websites for occupational exposure limits.

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