



# SAFETY DATA SHEET

## WITCH HAZEL (14% NATURAL GRAIN ALCOHOL), USP

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

#### 1.1 Product Identifier:

**Product Name:** WITCH HAZEL (14% NATURAL GRAIN ALCOHOL), USP  
**SDS Number:** 4  
**Manufacturer Item Number:** FG003100  
**Synonyms:** Hamamelis Water, Witch Hazel

#### 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  
**Website:** www.americandistilling.com

**1.4 Emergency Telephone Number:** CHEMTREC: 1-800-424-9300

### 2 HAZARDS IDENTIFICATION

#### 2.1 Classification of the Substance or Mixture:

Classification according to OSHA Hazcom 2012:  
Flammable Liquid Category 3  
Eye Irritation Category Eye 2A

#### 2.2 Label Elements



#### Warning!

#### Statements of Hazard

Flammable liquid and vapor  
Causes serious eye irritation



**Precautionary Phrases**

- Keep away from heat, sparks, open flames, and hot surfaces. No smoking.
- Keep container tightly closed.
- Ground and bond container and receiving equipment
- Use explosion-proof electrical, ventilating and lighting equipment.
- Use only non-sparking tools.
- Take precautionary measures against static discharge.
- Wash thoroughly after handling.
- Wear protective gloves, eye protection and face protection.
- IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- If eye irritation persists: Get medical attention.
- In case of fire: Use water spray, fog or mist, alcohol foam, dry chemicals to extinguish.
- Store in a well-ventilated place. Keep cool.
- Dispose of contents and container in accordance with local and national regulations.

**2.3 Other Hazards**

None Known

**3 COMPOSITION/INFORMATION ON INGREDIENTS**

**3.1 Mixture:**

Components	CAS Number	Percent
Witch Hazel Distillate	84696-19-5	85-86%
Ethanol	64-17-5	14-15%

**4 FIRST AID MEASURES**

**4.1 Description of First Aid Measures:**

- Eye** Flush victim's eyes with water for 15 minutes, while holding the eyelids apart. Remove contact lenses if present and easy to do so. Continue rinsing. Get medical attention if irritation persists.
- Skin** None normally required. For excessive unintentional exposures, wash skin with water.
- Inhalation** Remove to fresh air. Get medical attention if irritation or symptoms occur.



**Ingestion** 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:**

Causes eye irritation. May be mildly irritating to 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:**

Flammable liquid and vapor. This product is classified as a flammable liquid and vapor but will not sustain combustion. 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 and flash back. 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, 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	1000 ppm ACGIH STEL 1000 ppm OSHA PEL

**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, a NIOSH 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 29 CFR 1910.134 and 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)	<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

**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	Causes irritation.
Skin	May cause mild irritation on prolonged contact.

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.
Inhalation	May cause mild irritation.

**Chronic Health Effects:**

None expected under normal use.

**Carcinogenicity:**

None of the components of this product are listed as carcinogens by OSHA, IARC, or US NTP.

**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.

**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 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
DOT <sup>1</sup>	None	Not Regulated	None	None	Not Applicable
IATA/ICAO <sup>2</sup>	None	Not Regulated	None	None	Not Applicable

Special Precautions for User:

<sup>1</sup> Special provision 49 CFR 173.150 (e) – Aqueous solution containing greater than 50% water and less than 24% alcohol and no other hazardous material.

<sup>2</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.

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).



### U.S. REGULATIONS

**CERCLA:** Spills of this product are not required to be reported to the National Response Center. Many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

**EPA SARA 302:** This product does not contain chemicals regulated under SARA Section 302.

**EPA SARA 311 Hazard Classification:** None

**EPA SARA 313:** This product contains the following chemicals that are regulated under SARA Title III, section 313: None

**California Prop. 65 Components:** This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm. Alcohol stated on the Prop. 65 list is for consumable alcohol only.

## 16 OTHER INFORMATION


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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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