

SDS – SAFETY DATA SHEET

WITCH HAZEL (14% STANDARD ALCOHOL)

1. IDENTIFICATION

- 1.1 **Product Identifier:** WITCH HAZEL (14% STANDARD ALCOHOL)
SDS Number: 1
Synonyms: Hamamelis Water, Witch Hazel
Chemical Formula: Not applicable for mixtures
- 1.2 **Recommended Use of the Chemical and Restrictions on Use:**
Recommended Use of the Chemical: Astringent/Skin Cleanser
Uses Advised Against: No information available
- 1.3 **Manufacturer:** American Distilling Inc.
Address: 31 East High Street, East Hampton, CT 06424, U.S.A.
Website: www.americandistilling.com
Email: contactus@americandistilling.com **Phone:** (860) 267-4444 **Fax:** (860) 267-1111
- 1.4 **Emergency 24 Hour Phone:** CHEMTREC: 1-800-424-9300

2. HAZARD(S) IDENTIFICATION

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

Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]:

Flammable liquids (Category 4)

Flash Point 43.10°C (109.58°F) (Closed Cup)

Classification according to Directive 67/548/EEC [DSD]:

None

2.2 **Label Elements:**

Signal Word: Warning



Hazard Statements:

H227: Combustible

Precautionary Statements:

P210: Keep away from heat / sparks / open flames / hot surfaces – No smoking.

P381: Eliminate all ignition sources if safe to do so.

P410 + 403: Protect from sunlight. Store in a well ventilated place.

2.3 **Other Hazards:**

Substance Meets the Criteria for PBT According to Regulation (EC) No. 1907/2006 Annex XIII:

PBT: This product does not contain any PBT substances.

Substance Meets the Criteria for vPvB According to Regulation (EC) No. 1907/2006 Annex XIII:

vPvB: This product does not contain any vPvB substances.

Other Hazards Which Do Not Result in Classification: Not available

3. COMPOSITION INFORMATION / INGREDIENTS

Ingredient	CAS Number	EC Number	Percent
Witch Hazel Distillate	84696-19-5	283-637-9	85-86%
Alcohol (Ethanol-Standard USP)	64-17-5	200-578-6	14-15%

4. FIRST-AID MEASURES**4.1 Description of First Aid Measures:**

General Advice: Get medical attention if any discomfort continues.

Inhalation: Move the exposed person to fresh air at once. Perform artificial respiration if breathing has stopped. Keep the affected person warm and at rest. Seek prompt medical attention.

Ingestion: NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! DO NOT INDUCE VOMITING! If necessary, rinse mouth and provide fresh air. Get medical attention if any discomfort continues.

Skin Contact: Remove affected person from source of contamination. Promptly flush contaminated skin with water. Promptly remove clothing if soaked through and flush the skin with water. Seek medical attention if irritation persists after washing.

Eye Contact: Promptly wash eyes with lots of water while lifting the eye lids. Continue to rinse for at least 15 minutes and seek medical attention. Remove contact lenses if present and easy to do so.

Protection of First-Aiders: No additional information

4.2 Most Important Symptoms and Effects, Both Acute and Delayed:**Potential Acute Health Effects:**

Inhalation: May cause mild irritation of the throat

Ingestion: May cause nausea

Skin Contact: None known

Eye Contact: May cause irritation and redness

Over-Exposure Signs / Symptoms:

Inhalation: No specific data

Ingestion: No specific data

Skin Contact: No specific data

Eye Contact: No specific data

4.3 Indication of Any Immediate Medical Attention and Special Treatment Needed: No data available**5. FIRE-FIGHTING MEASURES****5.1 Extinguishing Media:**

Suitable Extinguishing Media: water spray, fog or mist, foam, dry chemicals, sand, dolomite, etc.

Unsuitable Extinguishing Media: None specified

5.2 Special Hazards Arising From the Substance or Mixture:

Hazards from the Substance or Mixture: May explode when heated or when exposed to flames or sparks. May react with oxidizing materials.

Hazardous Thermal Decomposition Products: Carbon oxides, may produce hydrocarbon fumes

5.3 Advice for Fire-Fighters:

Special Precautions for Fire-Fighters: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Cool containers exposed to flames with water from the side until well after the fire is out. Move container from fire area if it can be done without risk.

Special Protective Equipment for Fire-Fighters: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions, Protective Equipment and Emergency Procedures: Avoid breathing vapors, mist or gas. Ventilate area of leak or spill. Remove all sources of ignition. Wear appropriate personal protective equipment as specified in Section 8. Isolate hazard area. Keep unnecessary and unprotected personnel from entering.

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 that washings enter drain only when very dilute.

6.3 Methods and Materials for Containment and Cleaning Up: Contain spill and pump into a suitable container. Flush area with copious amounts of water.

7. HANDLING AND STORAGE

7.1 Precautions for Safe Handling: Keep away from heat, sparks and open flame. Avoid acids, moisture, and combustible materials. DO NOT SMOKE IN WORK AREA! Eating, smoking and water fountains prohibited in immediate work area. Always observe good personal hygiene practices, especially when working with chemicals.

7.2 Conditions for Safe Storage, Including Any Incompatibilities: Keep in cool, dry, ventilated storage and closed containers. Store isolated from oxidizing materials. Store away from all sources of ignition. Store in containers made of stainless steel, polyethylene 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 Uses: Astringent/Skin Cleanser

8. EXPOSURE CONTROLS / PERSONAL PROTECTION**8.1 Control Parameters:****Airborne Exposure Limits:**

Ingredient	CAS Number	Limited Exposure (8 Hours)	Standard Exposure (15 Minutes)
Witch Hazel Distillate	84696-19-5	None specified	None specified
Alcohol (Ethanol-Standard USP)	64-17-5	1000 ppm	None specified

8.2 Exposure Controls:

Ventilation System: A system of local and / or general exhaust is recommended. Please refer to the ACGIH document, *Industrial Ventilation, A Manual of Recommended Practices*, most recent edition, for details.

Personal Respirators (NIOSH Approved): For emergencies or instances where the exposure levels are not known, use a full face positive pressure, air supplied respirator. **WARNING:** Air-purifying respirators do not protect workers in oxygen-deficient atmospheres.

Skin Protection: Use suitable protective gloves if risk of skin contact.

Eye Protection: Use chemical safety goggles and / or a full face shield where splashing is possible. Maintain eye wash fountain and quick-drench facilities in work area.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on Basic Physical and Chemical Properties:

Appearance: Clear, colorless liquid

Odor: Characteristic

Odor Threshold: Not determined

pH: 3.0-5.0

Melting Point: -8°C (17.6°F)

Boiling Point / Boiling Range: 88°C (190.4°F) 760mmHg

Flash Point: 43.10°C (109.58°F)

Evaporation Rate (BuAC=1): Not determined

Flammability: Combustible

Upper / Lower Flammability or Explosive Limits: Not determined

Vapor Pressure (mm Hg): 18.75 @ 20°C (65.75°F)

Vapor Density (Air=1): 1.03

Relative Density: 0.976 – 0.982 @ 20°C (BPC), 0.979 – 0.983 @ 25°C (USP)

Solubility: Very soluble in water

Partition Coefficient: n-octanol / water: Not determined

Auto-ignition Temperature: Not determined

Decomposition Temperature: Not determined

Viscosity: Not determined

Explosive Properties: Combustible

Oxidizing Properties: Not oxidizing

9.2 Other Information: No specific data

10. STABILITY AND REACTIVITY

10.1 Reactivity: No data available

10.2 Chemical Stability: Stable under recommended storage conditions

10.3 Possibility of Hazardous Reactions: May react with oxidizing materials

10.4 Conditions to Avoid: Heat, flames and sparks

10.5 Incompatible Materials: Iron, Aluminum, Zinc, Copper and their alloys

10.6 Hazardous Decomposition Products: Carbon oxides, may produce hydrocarbon fumes

11. TOXICOLOGICAL INFORMATION**11.1 Information on Toxicological Effects:****Acute Toxicity:**

Chemical Name	Oral LD50	Inhalation LC50
Witch Hazel Distillate (84696-19-5)	None specified	None specified
Alcohol (Ethanol-Standard USP) (64-17-5)	20,000 ppm (10 hours - rat)	7060 mg/kg (rat)

Potential Health Effects: No specific health warning noted. No specific symptoms noted, but this material may still have adverse health impact, either general or on certain individuals.

Inhalation: May cause mild irritation of the throat

Ingestion: May cause nausea

Skin Contact: None known

Eye Contact: May cause irritation and redness

Chronic Exposure: No data available

Aggravation of Pre-existing Conditions: No data available

Specific Target Organ Toxicity - Single Exposure (GHS): No data available

Specific Target Organ Toxicity - Repeated Exposure (GHS): No data available

Germ Cell Mutagenicity: Salmonella Typhimurium Reverse Mutation Assay

Reproductive Toxicity: No data available

Teratogenicity: No data available

Aspiration Hazard: No data available

Numerical Measures of Toxicity: Cancer Lists: NTP Carcinogen

Ingredient	Known	Anticipated	IARC Category
Witch Hazel Distillate (84696-19-5)	No	No	None
Alcohol (Ethanol-Standard USP) (64-17-5)	No	No	None

12. ECOLOGICAL INFORMATION

12.1 Ecotoxicity: No information available

12.2 Persistence and Degradability: Readily biodegradable

12.3 Bioaccumulative Potential: Low bioaccumulation potential (ethanol)

12.4 Mobility in Soil: No information available

12.5 Results of PBT and vPvB Assessment: PBT / vPvB assessment not available as chemical safety assessment not required / not conducted.

12.6 Other Adverse Effects: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

13. DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods: Not a RCRA hazardous waste. Disposal of this material is not regulated under RCRA. Consult federal, state and local regulations to ensure that this material and its containers are disposed of in compliance with all regulatory requirements. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

14. TRANSPORT INFORMATION

DOT: Not regulated

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

ADR/RID: Not regulated

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.

IATA: Not regulated

Special provision A58. Ethanol aqueous solutions containing 24% or less alcohol by volume.

IMDG: Not regulated

Special provision 144. Aqueous solutions containing 24% or less ethanol by volume.

Special Precautions for User: 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:**

SARA 302 Components: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards: Fire Hazard, Acute Health Hazard, Chronic Health Hazard

Massachusetts, Pennsylvania, and New Jersey Right To Know Components: Ethanol, CAS# 64-17-5

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.

15.2 Chemical Safety Assessment: This product contains substances for which Chemical Safety Assessments are not required.

16. OTHER INFORMATION

Effective Date: 03/03/15 – Standardized for GHS / REACH

Previous Revisions: 06/27/11 – First Issue

This Safety Data Sheet has been prepared in accordance with REACH regulations Annex II.

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