



SAFETY DATA SHEET

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifiers

Product name Distilled Witch Hazel (14% Natural Grain Alcohol)

CAS number See Section 3

Synonyms Hamamelis Water; Witch Hazel

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses Laboratory Chemicals

1.3 Details of the supplier of the safety data sheet

Company Lab Alley, LLC
12501 Pauls Valley Road
Austin, Texas 78737
U.S.A.

Telephone 512-668-9918

Fax 512-886-4008

1.4 Emergency telephone

Emergency Phone #	US & Canada: 1-800-535-5053	INFOTRAC
	International 1-352-323-3500	INFOTRAC

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Flammable Liquids Category 3

Eye Irritation Category 2A

2.2 GHS Label elements, including precautionary statements

Pictogram



Signal Word

Warning

Hazard statements

Flammable liquid and vapor.
Causes serious eye irritation.

Precautionary statements

Prevention: 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.

Fire: In case of fire, use water spray, fog or mist, alcohol foam, dry chemicals to extinguish.

Storage: Store in a well-ventilated place. Keep cool.

Disposal: Dispose of contents and container in accordance with local and national regulations.

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS

None known.

SECTION 3: Composition/information on ingredients

3.1 Components

Chemical name	Common name and synonyms	CAS number	Concentration
Witch Hazel Distillate	Hamamelis Water	84696-19-5	85-86%
Ethanol	Ethyl alcohol; Grain alcohol	64-17-5	14-15%

SECTION 4: First aid measures

4.1 Description of first-aid measures

General advice

If inhaled

Remove to fresh air. Get medical attention if irritation or symptoms occur.

In case of skin contact	None normally required. For excessive unintentional exposures, wash skin with water.
In case of eye contact	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.
If swallowed	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.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media	Use water spray, fog or mist, alcohol foam, or dry chemicals to extinguish.
Unsuitable extinguishing media	No information available.

5.2 Specific 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 Special protective equipment and precautions for firefighters

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

5.4 Further information

Flash Point	109.6°F (43.1°C)
Autoignition Temperature	No information available.

Explosion limits

Upper No data available.

Lower No data available.

Sensitivity to Mechanical Impact No information available.

Sensitivity to Static Discharge No information available.

NFPA

Health	Flammability	Instability	Physical hazards
-	-	-	-

SECTION 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 materials 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.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Precautions on 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.

Hygiene measures

Handle in accordance with good industrial hygiene and safety practice.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions

Store in a cool, dry, well-ventilated area. Keep container tightly closed. Keep away from open flames, sparks, and excessive heat. Store in containers made of stainless steel, HDPE, PET, or glass.

Incompatibilities

Store away from oxidizing agents and other incompatible materials. 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.

SECTION 8: Exposure controls/personal protection

8.1 Occupational exposure limits

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Component	Type	Value
Ethanol	PEL	1000 ppm 1900 mg/m3

US. ACGIH Threshold Limit Values

Component	Type	Value
Ethanol	STEL	1000 ppm

US. NIOSH: Pocket Guide to Chemical Hazards

Component	Type	Value
Ethanol	TWA	1000 ppm 1900 mg/m3

Biological occupational exposure limits

None established.

8.2 Exposure controls

Appropriate engineering controls

A system of local or general exhaust is recommended.

Personal protective equipment

Eye/face protection

Chemical safety glasses recommended.

Skin protection

Protective gloves recommended if needed to avoid prolonged contact.

Body Protection

Wear protective clothing as necessary to avoid skin contact.

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.

Control of environmental exposure

No information available.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical State	Liquid
Appearance	Clear, colorless
Odor	Characteristic
Odor Threshold	Not determined
pH	3.0 - 5.0
Melting Point/Range	17.6°F (-8°C)
Boiling Point/Range	190.4°F (88°C)
Evaporation Rate	Not determined
Flammability (solid)	Not applicable
Flammability or explosive limit	
Upper	Not determined
Lower	Not determined
Vapor Pressure	18.75 mm Hg (65.8°F/20°C)
Vapor Density	1.03 (Air =1)
Density	0.976 – 0.982 @ 20°C
Solubility	Very soluble in water
Partition coefficient; n-octanol/water	No data available
Autoignition Temp	Not determined
Decomposition Temp	Not determined
Viscosity	Not determined
Molecular Formula	N/A
Molecular Weight	N/A
VOC Content(%)	Not determined
Oxidizing properties	Not an oxidizer

9.2 Other safety information

Does not sustain combustion.

SECTION 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.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Product Information, Component Information

Acute toxicity

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation
Ethanol	10470 mg/kg (Rat)	-	117-125 mg/L (Rat) 4h

Skin corrosion/irritation

May cause mild irritation on prolonged contact.

Serious eye damage/eye irritation

Causes irritation.

Respiratory or skin sensitization

May cause mild irritation if inhaled.

Germ cell mutagenicity

No information available.

Carcinogenicity

Component	CAS	IARC	NTP	ACGIH	OSHA	Mexico
Witch Hazel Distillate	84696-19-5	Not listed	Not listed	Not listed	Not listed	Not listed
Ethanol	64-17-5	Not listed	Known	A3	Not listed	A3

Specific target organ toxicity - single exposure

No information available.

Specific target organ toxicity - repeated exposure

No information available.

Reproductive toxicity

No information available.

Chronic effects

None expected under normal use.

11.2 Additional Information

If ingested, 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.

SECTION 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

No information available.

12.6 Endocrine disrupting properties

No information available.

12.7 Other adverse effects

None.

SECTION 13: Disposal considerations**13.1 Waste Disposal Methods**

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.

SECTION 14: Transport information

DOT (US) Not Regulated.

IMDG Not Regulated.

IATA Not Regulated.

SECTION 15: Regulatory information

US federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)
Not applicable.

CERCLA Hazardous Substance List (40 CFR 302.4)
Not listed.

SARA 304 Emergency release notification
Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)
Not regulated.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

SARA 302 Extremely hazardous substance
Not listed.

SARA 311/312 Hazardous
See Section 2 for more information.

SARA 313 (TRI reporting)
Not regulated.

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List
Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)
Not regulated.

Safe Drinking Water Act

Not regulated.

FEMA Priority Substances Respiratory Health and Safety in the Flavor Manufacturing Workplace

Listed, Ethanol (CAS #64-17-5).

US state regulations**US. Massachusetts RTK - Substance List**

Listed, Ethanol (CAS #64-17-5).

US. New Jersey Worker and Community Right-to-Know Act

Listed, Ethanol (CAS #64-17-5).

US. Pennsylvania Worker and Community Right-to-Know Law

Listed, Ethanol (CAS #64-17-5).

California Proposition 65

Listed, Ethanol (CAS #64-17-5).

SECTION 16: Other information

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SECTION 17: Disclaimer

The information provided on 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 guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as 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 material or in any process, unless specified in the text.