

SAFETY DATA SHEET

1. Identification

Product Name:	Witch Hazel USP
Recommended use of chemical:	Astringent / Skin Cleanser
Restrictions on use:	None known
Name and address of the supplier:	Essential Ingredients, Inc. 1755 North Brown Road, Suite 350 Lawrenceville, GA, US 30043
Supplier's telephone number:	(770) 831-9010
24 Hr. Emergency telephone number:	(800) 424-9300 (CHEMTREC)

2. Hazard(s) Identification

Classification of the chemical according to OSHA Hazcom 2012:

Flammable Liquid, Category 3
Eye Irritation Category Eye 2A

Label Elements:

Hazard pictogram(s)



Signal Word : **WARNING**
Hazard Statement(s) : Flammable liquid and vapor.
Causes serious eye irritation.

Precautionary Statement(s) Response : 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.

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

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

Other Hazards: None known.

3. Composition/Information on Ingredients

Chemical Name	CAS Number	Percent by Weight
Witch Hazel Distillate	84696-19-5	85 – 86%
Ethanol	64-17-5	14 – 15%

4. First Aid Measures

Eye Contact : Flush 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.

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.

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

Skin Contact : None normally required. For excessive unintentional exposures, wash skin with water.

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.

Indication of any immediate medical attention and special treatment needed:

Immediate medical attention should not be required.

5. Firefighting Measures

Suitable extinguishing media : Use water spray, fog or mist, alcohol foam, or dry chemicals to extinguish.

Specific Hazards Arising from the Chemical : 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.

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

- 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.
- 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.
- 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.
- Reference to other sections** : Refer to Section 8 for Personal Protective Equipment and Section 13 for Disposal information.

7. Handling and Storage

- 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.
- Conditions for Safe Storage** : 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, HOPE, PET, or glass.
- 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.
- Specific End Use(s)** : Astringent / Skin Cleanser

8. Exposure Controls/Personal Protection

Control Parameters

Occupational Exposure Limits

- Witch Hazel Distillate : None Established
- Ethanol : 1000 ppm ACGIH STEL
1000 ppm OSHA PEL

Biological Exposure Limits : None Established

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

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

Other Information : Does not sustain combustion

10. Stability and Reactivity

Reactivity	: Product will discolor if it comes in contact with Iron.
Chemical Stability	: Stable under normal conditions.
Possibility of Hazardous Reactions	: May react with oxidizing materials
Conditions to Avoid	: Heat, flames, sparks, and other sources of ignition.
Incompatible Materials	: Avoid oxidizing agents, and acids. Do not store in contact with Iron, Aluminum, Zinc, Copper, or their alloys.
Hazardous Decomposition Products	: Releases unburned hydrocarbons and oxides of carbon at elevated temperatures.

11. Toxicological Information
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

Ecotoxicity	:	No information available.
Ethanol	:	LC50 Fathead Minnow 14,200 mg/L/96 hr. EC50: Daphnia Magna: 9,268-14,221 mg/L/48 hr.
Persistence and degradability	:	Readily biodegradable.
Bioaccumulation potential	:	Low bioaccumulation potential.
Mobility in soil	:	No data is currently available.
Other adverse effects	:	None

13. Disposal Considerations

Waste Treatment Methods	:	Dispose in accordance with national and local regulations.
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14. Transportation Information

DOT	:	Not Regulated
IATA	:	Not Regulated
ICAO	:	Not Regulated

Special Precautions for User:

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

² 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

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
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- 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** : Acute Health, Fire Hazard
 - EPA SARA 313** : This product does not contain chemicals regulated under SARA Section 313.
 - 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.

International Inventories

- US EPA TSCA Inventory** : Exempt
- Canada (DSL/NDSL)** : All components are listed in the Canadian DSL
- Europe (EINECS)** : All components are listed
- Australia (AICS)** : All ingredients of this product are listed
- New Zealand (NZIoC)** : All ingredients of this product are listed
- China (IECSC)** : All ingredients of this product are listed
- Philippines (PICCS)** : All ingredients of this product are listed

16. Other Information
Legend:

ACGIH: American Conference of Governmental Industrial Hygienists
 AICS: Australian Inventory of Chemical Substances
 CA: California
 CAS: Chemical Abstracts Service (division of the American Chemical Society)
 CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act of 1980
 CFR: Code of Federal Regulations
 DOT: Department of Transportation
 DSL: Domestic Substances List, The Canadian Chemical Inventory
 EINECS: European Inventory of Existing Commercial Chemical Substances
 EPA: Environmental Protection Agency
 IARC: International Agency for Research on Cancer
 IATA: International Air Transport Association
 IECSC: Inventory of Existing Chemical Substances in China

LC: Lethal Concentration
 LD: Lethal Dose
 NIOSH: National Institute of Occupational Safety and Health
 NTP: National Toxicology Program
 NZIoC: New Zealand Inventory of Chemicals
 OSHA: Occupational Safety and Health Administration
 PEL: Permissible exposure limit
 PICCS: Philippine Inventory of Chemicals and Chemical Substances
 SARA: Superfund Amendments and Reauthorization Act
 SDS: Safety Data Sheet
 STEL: Short Term Exposure Limit
 TSCA: Toxic Substance Control Act

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