

THE CHEMISTRY STORE
FRAGRANCES - FLAVORS - ESSENTIAL OILS

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Material Safety Data Sheet

1. Product Information

Product Name: Witch Hazel USP
Chemical Family/Use: Personal Care Applications

2. Composition/Information on Ingredients

| <u>PRODUCT COMPOSITION</u> | <u>CAS REG. NO.</u> | <u>WGT%</u> |
|----------------------------|---------------------|-------------|
| Witch Hazel Distillate | 84696-19-5 | 85-86 |
| Alcohol (Ethanol) | 64-17-5 | 14-15 |

3. Hazard Identification

POTENTIAL HEALTH EFFECTS – No specific symptoms noted, but this chemical may still have adverse health impact, either in general or on certain individuals.

Eyes: May cause eye redness or irritation.
Skin: None known
Inhalation: May cause mild irritation of the throat.
Ingestion: May cause nausea.

4. First Aid Measures

Eye Contact: Flush immediately with large amounts of water. Continue flushing for at least 15 minutes. Seek medical attention.

Skin Contact: Wash exposed areas with soap and water. Remove contaminated clothing. If itching and redness occur, seek medical attention.

Inhalation: If difficulty breathing, remove to fresh air. Perform artificial respiration if breathing has stopped. Keep the affected person warm and at rest. Seek medical attention.

Ingestion: Never make an unconscious person vomit or drink fluids!! If swallowed, drink 2 glasses of water to dilute chemicals. DO NOT induce vomiting. Seek medical attention.

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5. Fire-Fighting Measures

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| Flash Point, CC: | 42°C |
| Flammable Limits: | No data available |
| Extinguishing Media: | Use water spray, fog or mist, foam, dry chemicals, sand, dolomite etc. |
| Special Procedures: | Use water spray to cool drums exposed to fire until well after the fire is out. Move container from fire area if it can be done without risk. |
| Protective Equipment: | Self contained breathing apparatus |
| Unusual Fire and Explosion Hazards: | May explode when heated or when exposed to flames or sparks. May react violently with oxidizing materials. |

6. Accidental Release Measures

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| Spill and leak Procedures: | <u>Large Spills:</u> Contain material by diking the area around the spill and pump into suitable container <u>Smaller Spills:</u> Drench with water making sure that washings enter drain only when very dilute. Flush area with copious amounts of water. |
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7. Handling and Storage

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| Usage Precautions: | Keep away from heat, sparks, and open flame. Avoid acids, moisture, and combustible materials. |
| Hygienic Work Practices: | 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. |
| Storage Precautions: | Keep in cool, dry, ventilated storage and closed, properly labeled container. Store containers isolated from oxidizing materials. Store away from all sources of ignition. Store in containers made of stainless steel, polyethylene or glass. Do not store with aluminum, zinc, copper or their alloys. Product will discolor if it comes in contact with iron. |
| Storage Criteria: | Chemical storage |

8. Exposure Controls / Personal Protection

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| Exposures: | <ul style="list-style-type: none">• Witch Hazel: No standard for Long Term (8 hours) or Short Term (15 mins) exposures.• Alcohol (Ethanol): Standard Long Term (8 hours) is OES 1000 PPM and there is not standard for Short Term (15 mins) exposures.• Keep exposure as low as is reasonably practicable. |
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8. Exposure Controls / Personal Protection (Continued)

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| Respiratory protection: | Suitable approved respiratory protection should be worn if levels exceed the OES. |
| Ventilation: | Provide adequate general and local exhaust ventilation. |
| Protective Gloves: | Use suitable protective gloves if risk of skin contact. |
| Eye protection: | Wear approved safety goggles. |
| Other Equipment: | Eye wash and safety shower in the work area. |
| Work/Hygienic Practices: | Wash thoroughly after handling. |

9. Physical and Chemical Properties

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| Solubility | Very soluble in water |
| Appearance | Colorless, clear liquid |
| Odor | characteristic |
| Specific Gravity (H ₂ O=1) | 0.979 – 0.983 @ 25°C |
| MOL Weight (at wt) | Not applicable |
| Particle Size (micr) | Not applicable |
| Bulk Density | Not applicable |
| Refractive Index | No data available |
| % Volatiles | No data available |
| Freezing Point | -8°C |
| Boiling Point | 88° C @ 760 mmHg |
| Vapor Pressure (mmHg) | 18.75 @ 20°C |
| Vapor Density (Air = 1) | 1.03 |
| Viscosity | No data available |
| Critical Temp | No data available |
| Decomposition Temp | No data available |
| pH Value | 3.0 – 5.0 |
| Oxidizing Properties | Not oxidizing |
| Partition Coefficient (Octanol/water) | No data available |

Witch Hazel USP

10. Stability and Reactivity

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| Stability: | Product is stable at normal conditions. |
| Incompatibility: | Aluminum, Zinc, Copper, Copper Alloys, and Iron |
| Materials to Avoid: | Strong oxidizing agents. Flammable/combustible material |
| Conditions to Avoid: | Avoid heat, flames, and other sources of ignition |

11. Toxicology Information

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| Toxic Dose1 LD50: | Not determined |
| Health Warnings: | No specific health warnings noted. |
| Symptoms: | No specific symptoms noted, but this material may still have adverse health impact, either in general or on certain individuals. |
| Acute and Chronic Health Hazards: | No known chronic or acute health risks |
| Carcinogenicity: | This substance has no evidence of carcinogenic properties. |

12. Ecological Information

Readily biodegradable

13. Disposal Considerations

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| Waste Disposal: | Arrange disposal as nontoxic waste, by license disposal company, in consultation with local Waste Disposal Authority, in accordance with the Environmental Protection Act 1990 (section 34), and the Duty of Care. |
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14. Transportation Information

Not Regulated

15. Regulatory Information

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| Label for Supply: | No hazard label required. |
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16. Other Information

Revised: 5/09/2012

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