



**CERTIFICATE OF ANALYSIS**  
**WITCH HAZEL DISTILLED BPC**

Batch No: 4359312  
Best Before End: May 2021

Description: A clear, colourless distillate prepared from recently cut and partially dries dormant twigs of *Hammamelis virginiana L.*  
Odour: Characteristic Witch Hazel free from Acetous odour

TEST	SPECIFICATION	ANALYSIS
Clarity	0 – 0.25 NTU	0.12
pH @ 25 Deg.C	3.0 – 5.0	3.72
Specific Gravity @ 25 Deg.C	0.979 – 0.983	0.981
Specific Gravity @ 20 Deg.C	0.976 – 0.982	0.981
Total Non-Volatile Residue	Less than 25 mg/100mL	3.9
Acetone, other ketones, IPA, & t-Butanol	Negative	Negative
Formaldehyde	Negative	Negative
Limit of Tannins	Less than 0.03 mg/mL	<0.03
% Alcohol C <sub>2</sub> H <sub>5</sub> OH by Volume	14.0 – 15.0%	14.5
Yeast & Mould Plate Count	<10 CFL/mL	Pass
Gram Neg./ Gram Pos. Bact. Plate Count	Max of 1 CFU/mL	Pass
Acidity / Alkalinity	Neutral or slightly acidic	Pass

The above material meets the requirements of the BPC/ NF/ USP



## ALLERGENS DECLARATION

Product Name	Witch Hazel Distilled BPC				
INCI Name	Hamamelis Virginiana – alcohol				
Date	03/10/2016	Product Code	HEWITC	Revision	1

Material	CAS Number	Cosmetic Allergens Inclusion (%)
AMYL CINNAMAL	122-40-7	-
BENZYL ALCOHOL	100-51-6	-
CINNAMYL ALCOHOL	104-54-1	-
CITRAL	5392-40-5	-
EUGENOL	97-53-0	-
HYDROXYCITRONELLAL	107-75-5	-
ISO EUGENOL	97-54-1	-
AMYL CINNAMYL ALCOHOL	101-85-9	-
BENZYL SALICYLATE	118-58-1	-
CINNAMAL	104-55-2	-
COUMARIN	91-64-5	-
GERANIOL	106-24-1	-
HYDROXYISOHEXYL 3-CYCLOHEXENE CARBOXALDEHYDE	31906-04-4	-
ANISE ALCOHOL	105-13-5	-
BENZYL CINNAMATE	103-41-3	-
FARNESOL	4602-84-0	-
BUTYLPHENYLMETHYLPROPIONAL	80-54-6	-
LINALOOL	78-70-6	-
BENZYL BENZOATE	120-51-4	-
CITRONELLOL	106-22-9	-
HEXYL CINNAMAL	101-86-0	-
LIMONENE	5989-27-5	-
METHYL 2-OCTYNOATE	111-12-6	-
ALPHA-ISOMETHYLIONONE	127-51-5	-
EVERNIA PRUNASTRI EXTRACT	90028-68-5	-
EVERNIA FURFURACEA EXTRACT	90028-67-4	-

**DISCLAIMER:** This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.



### **Distilled Witch Hazel Compliance Statement**

We hereby confirm that Distilled Witch Hazel is a natural botanical extract manufactured through a proprietary distillation process. The product is free from Phthalates and protamines. We can also confirm the absence of nanomaterials and 1,4 Dioxane. Palm oil is absent and is not used in any part of the production process. Witch Hazel has been independently tested to USP guidelines for elemental impurities, no detectable impurities have been found.

The product has never been tested on animals and no animal parts are used at any stage of the production. It is also BSE/TSE free and is acceptable for vegetarian and vegan use.

Witch Hazel is free of any restrictions imposed by CITES

The product is free from any materials classified as CMR's and the product meets the requirements of the 7th amendment 76-768-EEC and is EU 1223/2009 compliant.

Hamamelis Virginiana is exempt from the requirements of REACH as a natural material. Alcohol/Ethanol has been registered under the auspices of the H&SE within the scope of REACH (see separate statement). It has been entered on the Cosmetic Product Notification Portal.

Our supplier holds a perpetual certificate from the State of Connecticut evidencing compliance with cGMP and compliance with CT State law regarding drug manufacture and free sale.

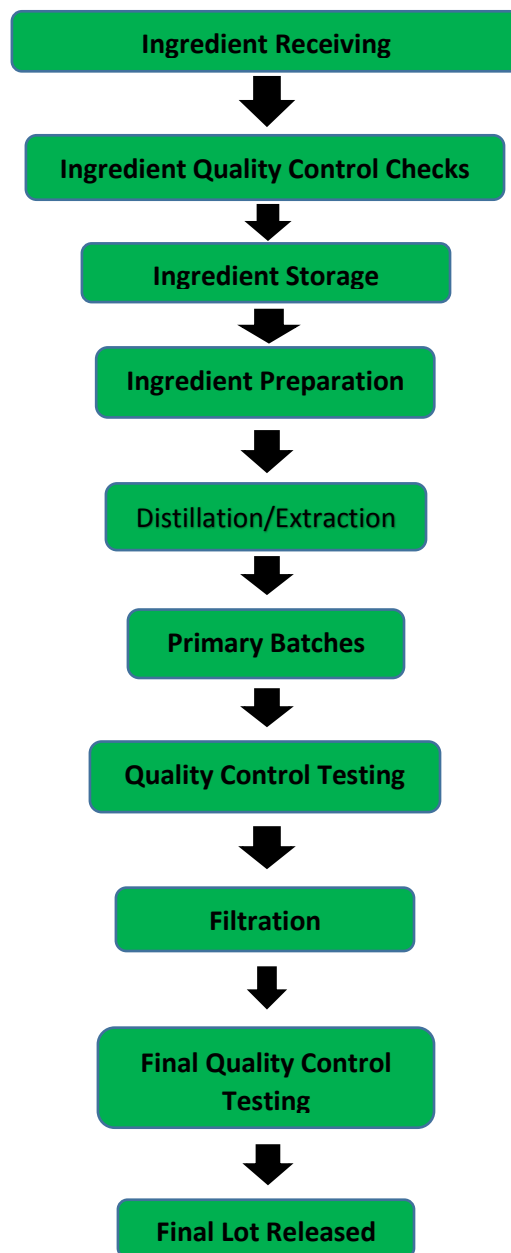
The product is IECIC & MEP compliant for the USA, Canada & China. Additionally it is ASEAN compliant for Japan and South Korea.

Hamamelis Virginiana grows largely in woodland areas of New England USA. The areas of growth are certified as organic by Oregon Tilthe. This certification means there are no known or suspected sources of contamination in the land and surrounding areas. That includes pesticides, fertilisers, herbicides, fungicides and insecticides and none of these materials can affect the harvest. Witch Hazel contains no GMO's.

The product is not manufactured using solvents or any materials that contain metal catalysts and metal reagents nor does it come into contact with any in manufacturing, packing, storing or shipping. Hence it is free of residual solvents, metal catalysts and metal reagents, it is gluten free and free of nuts. It is also free of Poly Aromatic Hydrocarbons and Benzopyrene.

## Manufacturing Flow Chart

Product Name	Witch Hazel Distilled BPC
Date	19 Jan 2019





## MATERIAL SAFETY DATA SHEET

Version- 6

Date-07.09.2016

### 01. IDENTIFICATION OF THE SUBSTANCE/MIXTURE & OF THE COMPANY/UNDERTAKING

<b>1:1-Product Identifiers:</b>					
Product name	Witch Hazel Distilled BPC (14% Alcohol) USP				
Biological Definition	-				
INCI Name	-				
Synonyms & Trade Names	Aqua Hamamelis, Hamamelis Water, Witch Hazel				
Reach Registration Number	-				
FEMA No.	-	FDA No.	-	CoE No.	-
CAS-No	84696-19-5+ 64-17-5	EC No.	-	EINECS No.	283-637-9+ 200-578-6

<b>1:2 – Relevant Identified Uses of the substance or mixture and uses advised against:</b>	
Identified Uses	Astringent/ Skin cleanser.
<b>1:3 – Details of the supplier of the Safety data sheets.</b>	
Company Name	<b>MADAR Corporation Limited</b> <b>19-20 Sandleheath Industrial Estate, Fordingbridge</b> <b>Hampshire, SP6 1PA</b> <b>Email: <a href="mailto:sales@madarcorporation.co.uk">sales@madarcorporation.co.uk</a></b> <b>Tel: 01425 655555</b> <b>Approved Sellers: Cosmetic Butters, Mystic Moments, New Directions, World of Moulds</b>
<b>1:4 – Emergency Telephone number</b>	
Contact telephone number	01425 655555

### 02. HAZARDS IDENTIFICATION

<b>2:1 Classification of the substance or mixture</b>	
Classification (EC 1272/2008)	Flash Point 43.10°C (109.58°F) (Closed Cup) Under the sustained combustibility test L2 the product does not support combustion, therefore, the material is classified as “Non-Hazardous for transportation.”
<b>2.2 – Label Elements</b>	
Label Elements in accordance with (EC) No 1272/2008	No symbol
<b>2:3 - Other hazards</b>	
Signal Word	None

## MATERIAL SAFETY DATA SHEET

Contains	No hazardous substances
Hazard Statements	None
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.
Supplementary Precautionary Statements	None
PBT or vPvB according to Annex XIII	No
Adverse physio-chemical properties	Substance Meets the Criteria for PBT According to Regulation (EC) No. 1907/2006 Annex XIII: PBT: Assessment not available as chemical safety assessment not required / not conducted. Substance Meets the Criteria for vPvB According to Regulation (EC) No. 1907/2006 Annex XIII: vPvB: Assessment not available as chemical safety assessment not required / not conducted.. Other Hazards Which Do Not Result in Classification: Not available
Adverse effects on human health	None

### **03. COMPOSITION/INFORMATION ON INGREDIENTS**

3:1 - Substances				
Substances	No additional data available			
3:2 - Mixtures				
Mixtures	<b>Ingredient</b>	<b>CAS Number</b>	<b>EC Number</b>	<b>Percent</b>
	HAMAMELIS VIRGINIANA WATER (Witch Hazel Distillate)	84696-19-5	283-637-9	86-85
	ETHANOL (Alcohol) (Ethanol-Standard USP)	64-17-5	200-578-6	14-15

### **04. FIRST AID MEASURES**

4:1 – Description of first aid measures
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## MATERIAL SAFETY DATA SHEET

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.
<b>4:2 – Most important symptoms and effects, both acute and delayed</b>	
Symptoms and effects	<p><b>Potential Acute Health Effects:</b>            Inhalation: May cause mild irritation of the throat            Ingestion: May cause nausea            Skin Contact: None known            Eye Contact: May cause irritation and redness</p> <p><b>Over-Exposure Signs / Symptoms:</b>            Inhalation: No specific data            Ingestion: No specific data            Skin Contact: No specific data            Eye Contact: No specific data</p>
<b>4:3 – Indication of any immediate medical attention and special treatment needed</b>	
Special requirements	No additional data available

### **05. FIRE-FIGHTING MEASURES**

<b>5:1 - Extinguishing Media</b>	
Suitable extinguishing Media	Water spray, fog or mist, foam, dry chemicals, sand, dolomite, etc. Fire can be extinguished using: Foam, carbon dioxide or dry powder.
Unsuitable extinguishing Media-DO NOT USE	Non specified

## MATERIAL SAFETY DATA SHEET

<b>5:2 - Special Hazards arising from substance or mixture</b>	
Specific hazards	May explode when heated or when exposed to flames or sparks. May react with oxidizing materials. Carbon oxides, may produce hydrocarbon fumes.
<b>5:3 – Advice for firefighters</b>	
Special firefighting procedures/ protective actions.	<p><b>Special Precautions for Fire-Fighters:</b> 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.</p> <p><b>Special Protective Equipment for Fire-Fighters:</b> Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.</p>

### **06. ACCIDENTAL RELEASE MEASURES**

<b>6:1 - Personal Precautions, protective equipment and emergency procedures.</b>	
Personal precautions	Avoid breathing vapours, 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. Use protective gloves, goggles and suitable protective clothing. In case of spills, beware of slippery floors and surfaces.
<b>6:2 - Environmental Precautions</b>	
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.
<b>6:3 – Methods and materials for containment and cleaning up</b>	
Spill Clean Up Methods	Contain spill and pump into a suitable container. Flush area with copious amounts of water.
<b>6:4 – Reference to other sections</b>	
Reference to other sections	Section 8 – Exposure controls/ personal protection for further information on personal precautions, Section 13 – Disposal considerations for further information on waste treatment.





## MATERIAL SAFETY DATA SHEET

### 07. HANDLING AND STORAGE

<b>7:1 – Precautions for safe handling</b>	
<b>Usage precautions</b>	Keep away from heat, sparks and open flame. Avoid acids, moisture, and combustible materials. <b>DO NOT SMOKE IN WORK AREA!</b> Eating, smoking and water fountains prohibited in immediate work area. Always observe good personal hygiene practices, especially when working with chemicals.
<b>7:2 – Conditions for safe Storage including any incompatibilities</b>	
<b>Storage Precautions</b>	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, Aluminium, Zinc, Copper or their alloys since Witch Hazel is particularly reactive with Iron. Product will discolour if it comes in contact with Iron.
<b>Suitable Packaging</b>	No additional data available
<b>7:3 – Specific end use (s)</b>	
<b>End Uses</b>	Astringent/ Skin cleanser.

### 08. EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>8:1 – Control parameters</b>				
<b>Components with workplace control parameters</b>	<b>Ingredient</b>	<b>CAS Number</b>	<b>Limited Exposure (8 hours)</b>	<b>Standard Exposure (15mins)</b>
	HAMAMELIS VIRGINIANA WATER (Witch Hazel Distillate)	84696-19-5	Non specified	Non specified
	ETHANOL (Alcohol) (Ethanol-Standard USP)	64-17-5	1000 ppm	Non specified
<b>8:2 – Exposure controls</b>				
<b>Protective Equipment</b>	 			

## MATERIAL SAFETY DATA SHEET

Process conditions	Maintain eyewash fountain and quick-drench facilities in work area.
Engineering Measures	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.
Respiratory Equipment	For emergencies or instances where the exposure levels are not known, use a full face positive pressure, air supplied respirator. <b>WARNING:</b> Air-purifying respirators do not protect workers in oxygen-deficient atmospheres.
Hand 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.
Other Protection	No additional data available
Hygiene Measures	No additional data available
Personal protection	No additional data available
Skin protection	No additional data available
Environmental exposure controls	No additional data available

### **09. PHYSICAL AND CHEMICAL PROPERTIES**

9:1 - Information on basic physical and chemical properties.	
Appearance	Liquid
Colour	Clear, Colourless
Odour	Characteristic
pH	3.0-5.0
Relative Density	0.976-0.982 @ 20 °C (BPC), 0.979-0.983 @ 25 °C (USP)
Flash Point (°C)	43.10
Refractive Index	No additional data available.
Melting Point (°C)	No additional data available.
Boiling Point (°C)	88 760mmHg
Vapour Pressure mmHg	18.75 @ 20°C
Vapour Density (Air=1)	1.03



## MATERIAL SAFETY DATA SHEET

Solubility in Water @20°C	Very soluble in water
Auto-ignition temperature (°C)	No additional data available.
<b>9:2 - Other information</b>	
Other Information	No additional data available.

### **10. STABILITY AND REACTIVITY**

<b>10:1- Reactivity</b>	
Reactivity	No additional data available.
<b>10:2 - Chemical stability</b>	
Stability	Stable under the recommended handling and storage conditions
<b>10:3 - Possibility of hazardous reactions</b>	
Possible hazardous reactions	May react with oxidizing materials
<b>10:4 - Conditions to avoid</b>	
Conditions to Avoid	Avoid heat, flames and other sources of ignition
<b>10:5 – Incompatible materials</b>	
Incompatible materials	Iron, Aluminium, Zinc, Copper and their alloys.
<b>10:6 - Hazardous Decomposition Products</b>	
Hazardous Decomposition Products	Carbon oxides, may produce hydrocarbon fumes

### **11. TOXOLOGICAL INFORMATION**

<b>11:1 Information on toxicological effects</b>			
Acute Toxicity	<b>Chemical Name</b>	<b>Oral LD50</b>	<b>Inhalation LC50</b>
	HAMAMELIS VIRGINIANA WATER (Witch Hazel Distillate) (84696-19-5)	None specified	None specified

## MATERIAL SAFETY DATA SHEET

	ETHANOL (Alcohol) (Ethanol-Standard USP) (64-17-5)	20,000 ppm (10 hours – rat)	7060 mg/kg (rat)
	No specific health warning noted. No specific symptoms noted, but this material may still have adverse health impact, either general or on certain individuals.		
Skin corrosion / irritation	None known		
Serious eye damage / irritation	May cause irritation and redness		
Respiratory or skin sensitisation	No additional data available		
Inhalation	May cause mild irritation of the throat.		
Ingestion	May cause nausea		
Germ Cell Mutagenicity	Salmonella Typhimurium Reverse Mutation Assay		
Carcinogenicity	None		
Reproductive toxicity	No additional data available.		
STOT-single exposure	No additional data available.		
STOT-repeated exposure	No additional data available.		
Aspiration hazard	No additional data available.		
Photo-toxicity	No additional data available.		
Other Information	No additional data available.		

### **12. ECOLOGICAL INFORMATION**

#### 12:1- Toxicity

## MATERIAL SAFETY DATA SHEET

Ecotoxicity	No additional data available.
12:2 - Persistence & degradability	
Persistence & degradability	Readily biodegradable
12:3 - Bioaccumulative Potential	
Bioaccumulative Potential	Low Bioaccumulative Potential (ethanol)
12:4 – Mobility in soil	
Mobility	The product contains substances which are insoluble in water and which may spread on water surfaces.
12:5 – Results of PBT and vPvB assessment	
PBT Assessment Results	PBT / vPvB assessment not available as chemical safety assessment not required / not conducted.
12:6 Other adverse effects	
Precautions	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

### 13. DISPOSAL CONSIDERATIONS

13:1 Waste treatment methods	
Disposal Methods	Not a RCRA hazardous waste. Disposal of this material is not regulated under RCRA. Consult 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. Dispose of container and unused contents in accordance with local requirements.

### 14. TRANSPORT INFORMATION

Warning Icon	<p><b>DOT:</b> 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.</p> <p><b>ADR/RID:</b> 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.</p>
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## MATERIAL SAFETY DATA SHEET

	<p><b>IATA:</b> Not regulated Special provision A58. Ethanol aqueous solutions containing 24% or less alcohol by volume.</p> <p><b>IMDG:</b> Not regulated Special provision 144. Aqueous solutions containing 24% or less ethanol by volume.</p> <p><b>ECHA:</b> Guidance to Regulation (EC) No 1272/2008 on classification, labelling and packaging (CLP) of substances and mixtures Version 4.1 June 2015. Under the sustained combustibility test L2 the product does not support combustion, therefore, the material is classified as “Non-Hazardous for transportation.”</p>
<b>14:1 – UN Number</b>	
UN No Road – ADR/RID/ADN	Not required
UN No Sea- IMDG	Not required
UN No Air – ICAO	Not required
<b>14:2 – UN proper shipping name</b>	
Road – ADR/RID/ADN	Not required
Sea- IMDG	Not required
Air - ICAO	Not required
<b>14:3 – Transport Hazard class (es)</b>	
Road – ADR/RID/ADN	Not required
Sea- IMDG	Not required
Air- ICAO	Not required
<b>14:4 - Packaging group</b>	
Road – ADR/RID/ADN	Not required

## MATERIAL SAFETY DATA SHEET

Sea- IMDG	Not required
Air - ICAO	Not required
<b>14:5 – Environmental hazard</b>	
Environmentally hazardous substance/ marine pollutant.	No additional data available
<b>14:6 - Special precautions for user</b>	
Precautions	No additional data available
<b>14:7 – Transport in bulk according to Annex II of MARPOL 73/79 and the IBC code</b>	
	No additional data available

### 15. REGULATORY INFORMATION

<b>15:1 – Safety, health and environmental regulations/ legislation specific for the substance or mixture.</b>	
EU Directives	Commission Regulation (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 <sup>th</sup> Dec 2006 Concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 199/45/EC and repealing Council Regulation Council Regulation (EEC) No793/93 and Commission Regulation (EC) No1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, and 93/105/EEC and 2000/21/EC including amendments.
Statutory Instruments	The Chemicals (Hazard Information and Packaging for Supply Regulations 2009 (S.I. 2009 No 716).
Approved Code of Practice	Classification and Labelling of Substances and Preparations Dangerous for Supply. Safety Data Sheets for Substances and Preparations
Guidance Notes	Workplace Exposure Limits EH40. CHIP for everyone HSG 108.
<b>15:2 Chemical Safety assessment</b>	



## MATERIAL SAFETY DATA SHEET

Assessment information	A chemical assessment for this product has not been carried out.
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### **16. OTHER INFORMATION**

Revision Date	06.09.2016
Rev No/Repl, SDS Generated	6
Change Description	Updated to new MSDS format
Changes made by	Technical Department
Review Date	06.09.2018
Risk Phrases in Full	None
Hazard Statements in Full	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.
Other Information	GMO/BSE/TSE – Free There has never been any animal testing carried out on this product.

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## PRODUCT SPECIFICATION

Product Name	Witch Hazel Distilled BPC (14% Alcohol) USP				
Date	08/09/2016	Product Code	HEWITC	Rev	5
Reason for Revision	To Comply with suppliers Specification				
Description	A clear colourless distillate prepared from recently cut and partially dried dormant twigs of Hamamelis Virginian linne, containing natural oils and alcohol.				
Appearance	Clear, Colourless liquid				
Odour	Characteristic of witch hazel free from acetous odour. (NF XI)				
Tariff No	3301 9090 00 0				
CAS Number	84696-19-5+ 64-17-5	EC Number	283-637-9+ 200-578-6		

### TEST SPECIFICATION

Analytical Test	Specification Range
pH@ 25°C	3.0-5.0 (USP)
Specific Gravity @ 20°C	0.976-0.982 (BPC)
Specific Gravity @ 25°C	0.979-0.983 (USP)
Formaldehyde	Negative (BPC/NF XI)
Total Non-Volatile Residue	Less than 25mg/100ml (USP)
Acetone, other Ketones, Isopropyl alcohol and T-Butyl alcohol.	Negative (NF XI)
Limit of Tannins	Less than 0.03 mg/ml (USP)
Alcohol (Ethanol)	14.0-15.0 (% by volume) (USP)
Total plate count inc Yeast & mould	Less than 10 CFU/ml (MFG)
Gram Neg./Gram Pos. bacteria count	Maximum of 1 CFU/ml (MFG)

### OTHER INFORMATION

This product is made from 100% Organic witch hazel plant material non genetically modified, gluten free and wheat free. BSE/TSE free. Not tested on animals.

### STORAGE & STABILITY

Store in a cool place. Protect from freezing. Product will discolour if it comes into contact with iron. When stored for more than 36 months, quality should be checked before use.

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