



Material Safety Data Sheet

EU Regulation: 1907/2006

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

1.1 Product Identification

PRODUCT NAME	WITCH HAZEL BPC/USP, DISTILLATE 14%				
BIOLOGICAL DEFINITION	WITCH HAZEL DISTILLATE IS HAMAMELIS VIRGINIANA WATER; AN AQUEOUS SOLUTION CONTAINING NATURAL VOLATILE OILS OBTAINED BY THE DISTILLATION OF TWIGS, BARK AND LEAVES OF THE WITCH HAZEL, HAMAMELIS VIRGINIANA L., HAMAMELIDACEAE IN ALCOHOL. THIS MATERIAL COMPLIES WITH BPC / NF XI / USP SPECIFICATIONS.				
INCI NAME	HAMAMELIS VIRGINIANA WATER (86%) & ALCOHOL (14%)				
SYNONYMS & TRADE NAMES	-				
INTERNAL PRODUCT CODE	K0488				
CAS-No	84696-19-5 / 64-17-5	EC No.	283-637-9 / 200-578-6	EINECS No.	283-637-9 / 200-578-6

1.2 Details of the supplier of the safety data sheet

Company Address	O&3 Unit 2, Athelstan Business Park, Hanwell Lane, Hutton Conyers, Ripon, HG4 5BF, England.
Email	technicalcrew@Oand3.com

1.3 Details of the supplier of the safety data sheet

Emergency Contacts	Mrs. Eleanor Wade (07968 200167)
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SECTION 2: Hazards Identification

2.1 Classification of the substance or mixture	
Classification (67/548/EEC)	This product is not dangerous according to REACH Regulation 1907/2006.
Classification (EU 1272/2008)	This product does not belong to any list of substances supposedly hazardous to human or animal health according to EU Regulation 1272/2008 & any further amendments, nor to those having recognized exposition limits. Care should be taken when handling hot oil as it may constitute a burn hazard. Spills can constitute a slippage hazard.
2.2 Label Elements	Label in accordance with Regulation (EC) No 1272/2008.
GHS Label	None.
Signal Word	None.
Contains	None.
Hazards Statement	None.
Signal Word	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.
Supplementary Precautionary Statements	None.
<i>Section 16 (Other Information): Risk & Safety phrases in full.</i>	
2.3 Other Hazards	
Adverse physio-chemical properties	None.
Adverse effects on human health	None.

SECTION 3: Composition of Ingredients

3.1 Mixtures	85.0 – 86.0 % HAMAMELIS VIRGINIANA WATER CAS-NO.: 84696-19-5 EC No.: 283-637-9 CLASSIFICATION (EC 1272/2008) : NOT CLASSED AS HAZARDOUS. 14.0 – 15.0 % ALCOHOL CAS-NO.: 64-17-5 EC No.: 200-578-6 CLASSIFICATION (EC 1272/2008) : NOT CLASSED AS HAZARDOUS.
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SECTION 4: First Aid Measures

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4.1 Description of First Aid Measures	
General Information	Always remove contaminated clothing immediately.
Inhalation	Not expected for this particular product, however always best avoiding proactive inhalation.
Ingestion	If necessary, rinse mouth and provide fresh air. Get medical attention if any discomfort continues.
Skin Contact	Wash skin thoroughly with soap and water.
Eye Contact	Wash immediately & thoroughly with clean tap water.
4.2 Most important symptoms & effects (Acute & 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 or special treatment required	Not Applicable.

SECTION 5: Fire Fighting Measures

5.1 Extinguishing material	Foam, Co2, Dry Chemical Powder.
5.2 Special hazards arising from the substance Or mixture	This product may only form ignitable mixtures or burn above the flash point. Dangerous combustion products include smoke & oxides of carbon.
5.3 Advice for fire-fighters	Standard. Wear self-contained breathing apparatus in confined spaces.

SECTION 6: Accidental Release Measures

6.1 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.
6.2 Environmental precautions	Do not discharge into drains, water courses or onto the ground. 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 & material for containment and cleaning up	Spills can be absorbed by cloth or sawdust, washed away with water & cleaned with sodic products.
6.4 References to other sections	Refer & consider section 8. Refer & consider section 13.

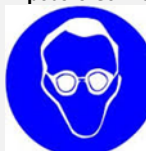
SECTION 7: Handling & Storage

7.1 Precautions for safe-handling	Handle in accordance with good hygiene and safety practice. Keep containers sealed when not in use. Prevent spills & leaks to avoid slip hazard. Always wear personal protective clothing (refer to section 8). Do not eat, drink, sniff or smoke whilst handling this product. Provide suitable mechanical equipment for the safe handling of drums & heavy packages.
7.2 Conditions for safe storage, including any incompatibilities	Keep the product container tightly closed, in a dry, ventilated area (at temperatures <20°C). Keep away from potential sources of ignition and protected from light. Maintain limited contact with oxygen.
7.3 Specific end use(s)	No Data.

SECTION 8: Exposure Controls & Personal Protection

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8.1 Control Parameters	AIRBORNE EXPOSURE LIMITS:				
	INGREDIENT		CAS NUMBER	LIMITED EXPOSURE (8 HOURS)	STANDARD EXPOSURE (15 MINUTES)
	HAMAMELIS VIRGINIANA		84696-19-5	NONE SPECIFIED	NONE SPECIFIED
	WATER				
	ETHANOL (ALCOHOL) (ETHANOL-STANDARD USP)		64-17-5	1000 PPM	NONE SPECIFIED

8.2 Exposure Controls	
 	
Eye Protection	Not required as a non-toxic product, however we still recommend taking precautions by wearing protective eye-wear when handling the product.
Hand Protection	Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible.
Respiratory Equipment	No specific recommendations. Respiratory protection may be required if excessive airborne contamination occurs.
Hygiene Measures	Good personal hygiene practices are always advisable, especially when working with chemicals / oils.
Engineering Measures	Provide adequate ventilation.

SECTION 9: Physical & Chemical Properties

9.1 Physical & Chemical Properties	
Appearance	CLEAR, OILY LIQUID
Colour	COLOURLESS
Odour	CHARACTERISTIC
Relative Density	0.976 - 0.982 @ 20°C , 0.979 - 0.983 @ 25°C
Flash Point (°C)	43.10°C (109.58°F) (CLOSED CUP)
Refractive Index	NO DATA
Melting Point (°C)	-8.0
Boiling Point (°C)	88.0 @ 760MMHG
Vapour Pressure	18.75 MMHG @20°C.
Solubility in Water @ 20°C	SOLUBLE IN WATER.
9.2 Other Information	
NO DATA.	

SECTION 10: Stability & Reactivity

10.1 Reactivity	
Not Applicable.	

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10.2 Chemical stability	Stable under suggested storage conditions (<20°C).
10.3 Possibility of hazardous reactions	No.
10.4 Conditions to avoid	Storage at high temperatures. Do not store above 20°C.
10.5 Incompatible materials	Concentrated acids, alkalis & oxidising agents.
10.6 Hazardous decomposition products	This product does not decompose under normal conditions. Under fire conditions the product will produce a mixture of irritating fumes & smoke.

SECTION 11: Toxicological Information

11.1 Toxicological effects

Acute Toxicity	Oral LD50 Hamamelis Virginiana Water 84696-19-5	Inhalation LC50 none specified	none specified
	ETHANOL (Alcohol) (Ethanol-Standard USP) 64-17-5	20,000 ppm (10hrs – Rat)	7060mg/kg (Rat)
Skin irritation	Not Applicable.		
Eye damage or irritation	Not Applicable.		
Respiratory or skin sensitivity	Not Applicable.		
Germ cell mutagenicity	Not Applicable.		
Carcinogenicity	Cancer Lists: NTP Carcinogen Known Category Hamamelis Virginiana Water 84696-19-5	Anticipated No	IARC No
	ETHANOL (Alcohol) (Ethanol-Standard USP) None 64-17-5	No	None No
Reproductive toxicity	Not Applicable.		
STOT – single exposure	Not Applicable.		
STOT – repeated exposure	Not Applicable.		
Aspiration hazard	Not Applicable.		
Other information	Not Applicable.		

SECTION 12: Ecological Information

12.1 Toxicity	Low - None.
12.2 Persistence & degradability	The product contains substances which are not expected to be biodegradable.
12.3 Bio- accumulative potential	None.
12.4 Mobility in soil	Low – None.
12.5	Not Available.

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Results of PBT & VPVB assessment	
12.6	
Other adverse effects	None.
SECTION 13: Disposal Information	
13.1	
Waste treatment methods	Always recover spilled product. Discard waste material with authorized waste management services. Act in accordance with local & national waste regulations.

SECTION 14: Transport Information	
14.1	
Transport Information	
Warning icon	Road (ADR), Rail (RID), Sea (IMDG) and Air (ICAO), transport not restricted in drums or food tankers.
Shipping Name	Not Applicable.
UN Number (Road)	Not Applicable.
ADR Class	Not Applicable.
Hazard Number (ADR)	Not Applicable.
Hazchem Code	Not Applicable.
UN Number (Sea)	Not Applicable.
IMDG Class	Not Applicable.
IMDG Pack GR.	Not Applicable.
EMS	Not Applicable.
UN Number (Air)	Not Applicable.
Air Class	Not Applicable.
Air Pack GR.	Not Applicable.
14.2	
Transport Haz Class	<u>DOT: Not regulated</u> Special provision 49 CFR 173.150 (e) – Aqueous solution containing greater than 50% water and less than 24% alcohol and no other hazardous material. <u>ADR/RID: Not regulated</u> 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. <u>IATA: Not regulated</u> Special provision A58. Ethanol aqueous solutions containing 24% or less alcohol by volume. <u>IMDG: Not regulated</u> Special provision 144. Aqueous solutions containing 24% or less ethanol by volume. <u>ECHA: 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.”</u>

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SECTION 15: Regulatory Information	
15.1 Product specific safety, health & environmental regulations & legislation	
EU Directives	Regulation (EC) No 1907/2006 of the European Parliament and of the council of 18 th December 2006. Concerning the registration, evaluation, authorization & restriction of chemicals (REACH), establishing a European Chemicals Agency, amending Directive 199/45/EC and repealing council regulation (EEC) No793/93 & commission regulation (EC) No1488/94 as well as council directive 76/769/EEC & commission directive 91/155/ECC, 93/67/ECC, 93/105/EEC & 2000/21/EC (including amendments).
Statutory Instruments	The Chemicals (Hazard Information & Packaging for Supply Regulations 2009 (S.I.2009 No 716).
Approved Code of Practice	Classification & labelling of substances & preparations dangerous for supply. Safety data sheets for substances & preparations.
Guidance Notes	Workplace exposure limits EH40. CHIP for everyone HSG 108.
15.2 Chemical Safety Assessment	Assessment has not been carried out as this is a non-hazardous material according to article 31 of REACH 1907/2006.

SECTION 16: Other Information	
Hazard and precautionary 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
Training Instructions: Refer to possible hazard before use of this product.	
Abbreviations & Acronyms:	
MSDS	Material Safety Data Sheet.
INCI	International Nomenclature of Cosmetic Ingredients.
CAS	Chemical Abstract Service.
IMDG	International Maritime code for Dangerous Goods.
ADR	Accord European sur le transport des marchandises Dangereuses par Route (European Agreement concerning the international Carriage of Dangerous goods by Road).
RID	International Carriage of Dangerous Goods by Rail.
ICAO	International Civil Aviation Organization.
ADN	International Carriage of Dangerous Goods by Inland Waterways.
GHS	Globally Harmonized System of classification & labelling of chemicals.
Trem Card	Transport Emergency Card.
STOT	Specific Target Organ Toxicity.



Documentation Revision

Date	Change Description
10 th April 2018	Data Launch
2021	Review

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