DISTILLED WITCH HAZEL EXTRACT, 14% ALCOHOL SAFETY DATA SHEET

SECTION 1: MATERIAL & SUPPLY COMPANY IDENTIFICATION

1.1 Product Identifiers

Product Name: DISTILLED WITCH HAZEL EXTRACT, 14% ALCOHOL
CAS Number.: 84696-19-5 & 64-17-5
Pure substance/ mixture: Mixture

1.2 Relevant identified uses of the substance or mixture

Recommended use: Cosmetics, personal care products.
Uses advised against: No information available.

1.3 Supplier Details

Supplier: Heirloom Body Care Pty Ltd
Address: 9/28 Coombes Drive Penrith NSW 2750
Telephone: 02 4722 2123
Fax 02 4722 2904

1.4 Information in case of emergency call Poisons Information Line

Emergency Telephone: 13 11 26

Please ensure you refer to the limitations of this Safety Data Sheet as set out in the "Other Information" section at the end of this Data Sheet.

SECTION 2: HAZARD IDENTIFICATION

2.1 GHS Classification

An aqueous solution containing not more than 24% ethanol by volume is not subject to the provisions of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail.

Classified as a hazardous chemical in accordance with the criteria of Safe Work Australia - Globally Harmonized System (GHS).

Flammable liquids	**Category 3- (H226)**

SIGNAL WORD: WARNING
LABEL ELEMENTS
Flame



Hazard Statement(s):
H226 Flammable liquid and vapour

Precautionary Statements Prevention:
Keep away from heat / sparks / open flames / hot surfaces. No smoking.
Keep container tightly closed.
Ground / bond container and receiving equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Wear protective gloves / protective clothing / eye protection / face protection.

Precautionary Statements Response:
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
In case of fire: Use extinguishing media as outlined in Section 5 of this Safety Data Sheet for extinction.

Precautionary Statements - Storage
Store in a well-ventilated place. Keep cool

Precautionary Statements - Disposal
Dispose of contents/container to an approved waste disposal plant

Other hazards which do not result in classification
Poisons Schedule (SUSMP) None allocated

SECTION 3: PRODUCT COMPOSITION

3.1 Chemical Identification

Mixture

Components	CAS Number	Proportion
Witch hazel leaves, extract	84696-19-5	85-86%
Ethyl alcohol	64-17-5	14-15%

SECTION 4: FIRST AID

For advice, contact a Poisons Information Centre (e.g. phone Australia 131 126; New Zealand 0800 764 766) or a doctor.

Inhalation: Remove to fresh air. Call a physician if symptoms occur.

Skin Contact: Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Call a physician if symptoms occur.

Eye Contact: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected area. Get medical attention if symptoms occur.

Ingestion: Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Get medical attention if symptoms occur.

Self-protection of the first aider
Remove all sources of ignition. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Use personal protective equipment as required. See section 8 for more information.

Most important symptoms and effects, both acute and delayed
Symptoms No information available.

Indication of any immediate medical attention and special treatment needed
Note to physicians Treat symptomatically.

SECTION 5: FIRE FIGHTING MEASURES

Suitable Extinguishing Media:
Dry chemical. Carbon dioxide (CO2). Water spray. Alcohol resistant foam.

Unsuitable extinguishing media
CAUTION: Use of water spray when fighting fire may be inefficient.

Specific hazards arising from the substance or mixture:
Risk of ignition. Keep product and empty container away from heat and sources of ignition. In the event of fire, cool tanks with water spray. Containers may explode when heated. Most vapors are heavier than air. Vapors may spread along ground and collect in low or confined areas (sewers, basements, tanks). Vapors may travel to source of ignition and
flash back. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
Substance may ignite but does not sustain combustion.

Hazardous combustion products
Carbon oxides.

Special protective equipment and precautions for fire-fighters:
Special protective equipment for fire-fighters

Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures
Evacuate personnel to safe areas. Use personal protective equipment as required. See section 8 for more information. Avoid contact with skin, eyes, and clothing. Ensure adequate ventilation. Keep people away from and upwind of spill/leak. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Pay attention to flashback. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Do not touch or walk through spilled material.

Other information Ventilate the area.

For emergency responders Use personal protection recommended in Section 8.

Environmental precautions

Environmental precautions Refer to protective measures listed in Sections 7 and 8. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.

Methods and material for containment and cleaning up

Methods for containment
Stop leak if you can do it without risk. Do not touch or walk through spilled material.
A vapor suppressing foam may be used to reduce vapors.
Dike far ahead of spill to collect runoff water.
Keep out of drains, sewers, ditches and waterways.
Absorb with earth, sand or other non-combustible material and
Transfer to containers for later disposal.

Methods for cleaning up
Take precautionary measures against static discharges.
Dam up. Soak up with inert absorbent material.
Pick up and transfer to properly labelled containers.
After cleaning, flush away traces with water.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling:
Advice on safe handling
Use personal protection equipment.
Avoid contact with skin and eyes.
Avoid breathing vapors or mists.
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.
No smoking.
Use grounding and bonding connection when transferring this material to prevent static discharge, fire or explosion.
Use with local exhaust ventilation.
Use spark-proof tools and explosion-proof equipment. Keep in an area equipped with sprinklers.
Use according to package label instructions.

General hygiene considerations
Do not eat, drink or smoke when using this product.
Contaminated work clothing should not be allowed out of the workplace.
Regular cleaning of equipment, work area and clothing is recommended.
Wash hands before breaks and immediately after handling the product.

Conditions for safe storage, including any incompatibilities
Storage Conditions
Keep containers tightly closed in a dry, cool and well-ventilated place.
Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity).
Keep in properly labelled containers.
Do not store near combustible materials.

Keep in an area equipped with sprinklers.
Store in accordance with the particular national regulations.
Store in accordance with local regulations.

Packaging materials
Do not store in iron, aluminum, zinc, copper or their alloys.

Incompatible materials
Oxidizing agents. Acids.

Poisons Schedule (SUSMP)
None allocated

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

Control Parameters:
Exposure Limits
No value assigned for this specific material by Safe Work Australia.
However, Workplace Exposure Standard(s) for constituent(s):

Chemical Name	Australia	ACGIH TLV
Ethyl alcohol 64-17-5	8hr TWA = 1880 mg/m3 (1000 ppm)	

As published by Safe Work Australia Workplace Exposure Standards for Airborne Contaminants.

TWA - The time-weighted average airborne concentration of a particular substance when calculated over an eight-hour working day, for a five-day working week.

These Workplace Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept to as low a level as is workable. These workplace exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.

Appropriate Engineering controls:
Engineering controls — Apply technical measures to comply with the occupational exposure limits.
If in the handling and application of this material, safe exposure levels could be exceeded, the use of engineering controls such as local exhaust ventilation must be considered and the results documented. If achieving safe exposure levels does not require engineering controls, then a detailed and documented risk assessment using the relevant Personal
Protective Equipment (PPE) (refer to PPE section below) as a basis must be carried out to determine the minimum PPE requirements.

Individual protection measures, such as personal protective equipment
The selection of PPE is dependent on a detailed risk assessment. The risk assessment should consider the work situation, the physical form of the chemical, the handling methods, and environmental factors.

SAFETY SHOES, SAFETY GLASSES, GLOVES,OVERALLS.



Eye/face protection — Glasses.
Skin and body protection — Wear suitable protective clothing. Chemical resistant apron. Antistatic boots. Overalls.
Hand protection — Impervious gloves.
Respiratory protection — If determined by a risk assessment an inhalation risk exists, wear an organic vapour/particulate respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716.
Environmental exposure controls No information available.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state:	Liquid
Appearance:	Clear
Colour:	Colourless
Odour:	Characteristic
Odour Threshold:	Not available

Property	Values	Remarks/Method
pH:	3.0 - 5.0	
Melting Point/freezing point	-8 ºC	
Boiling Point/Range	88ºC	
Flash Point	43.1ºC	
Evaporation Rate	No data available	None known
Flammability Limit in Air		None known
Upper flammability or explosive limits	No data available	
Lower flammability or explosive limits	No data available	
Vapour Pressure	18.75 mmHg	@20ºC
Vapour Density	1.03	**(air=1)**
Relative Density	0.976 - 0.982	@ 20°C
Solubility:	Soluble in water.	
Partition Coefficient:	Not available	
Autoignition Temperature (°C):	Not available	
Decomposition Temperature	Not available	
Kinematic viscosity	No data available None known	
Dynamic viscosity	No data available None known	

Other Information

SECTION 10: STABILITY AND REACTIVITY

Reactivity:	No information available.
Chemical stability:	Stable under normal conditions.
Explosion Data	
Sensitivity to mechanical impact	None.
Sensitivity to static discharge	Yes.

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Possibility of hazardous reactions

Possibility of hazardous reactions	None under normal processing.

Conditions to avoid

Conditions to avoid	Heat, flames and sparks.

Incompatible materials

Incompatible materials	Oxidizing agents. Acids.

Hazardous decomposition products

Hazardous decomposition products	Carbon oxides.

SECTION 11: TOXICOLOGICAL INFORMATION

Acute toxicity

Information on likely routes of exposure

Product Information	No adverse health effects expected if the chemical is handled in accordance with this Safety Data Sheet and the chemical label. Symptoms or effects that may arise if the chemical is mishandled and overexposure occurs are:
Inhalation	Specific test data for the substance or mixture is not available. May cause irritation of respiratory tract.
Eye contact	May cause irritation. Specific test data for the substance or mixture is not available.

Skin contact	May cause irritation. Specific test data for the substance or mixture is not available.
Ingestion	Specific test data for the substance or mixture is not available. May cause gastrointestinal discomfort if consumed in large amounts.
Symptoms	No information available.

Numerical measures of toxicity - Product Information
No information available.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Ethyl alcohol	= 7060 mg/kg (Rat)		= 124.7 mg/L (Rat) 4 h

See section 16 for terms and abbreviations

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation	No information available.
Serious eye damage/eye irritation	No information available.
Respiratory or skin sensitization	No information available.
Germ cell mutagenicity	No information available.
Carcinogenicity	No information available.
Reproductive toxicity	No information available.
STOT - single exposure	No information available.
STOT - repeated exposure	No information available.
Aspiration hazard	No information available.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity: Keep out of waterways.

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Ethyl alcohol	-	LC50: 12.0 - 16.0mL/L (96h, Oncorhynchus mykiss) LC50: >100mg/L (96h, Pimephales promelas) LC50: 13400 - 15100mg/L (96h, Pimephales promelas)	-	LC50: 9268 - 14221mg/L (48h, Daphnia magna) EC50: =2mg/L (48h) Daphnia magna) EC50: =10800mg/L (24h, Daphnia magna)

Persistence/degradability: The material is readily biodegradable.
Bioaccumulative potential: This chemical shows a low bioaccumulation potential.

Chemical name	Partition coefficient
Ethyl alcohol	-0.32

Mobility in soil: No information available.
Other adverse effects:

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods
Waste from residues/unused products
Should not be released into the environment.
Dispose of in accordance with local regulations.
Dispose of waste in accordance with environmental legislation.

Contaminated packaging	Empty containers pose a potential fire and explosion hazard. Do not cut, puncture or weld containers.

SECTION 14: TRANSPORT INFORMATION

ADG
An aqueous solution containing not more than 24% ethanol by volume is not subject to the provisions of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail.
IATA
An aqueous solution containing not more than 24% ethanol by volume is not subject to the provisions of the IATA Dangerous Goods regulations.
IMDG
An aqueous solution containing not more than 24% ethanol by volume is not subject to the provisions of the IMDG Code, U.N. Recommendations for Transport of Dangerous Goods.
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SECTION 15: REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture

National regulations

Australia
An aqueous solution containing not more than 24% ethanol by volume is not subject to the provisions of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail.

Classified as a hazardous chemical in accordance with the criteria of Safe Work Australia - Globally Harmonized System (GHS).

See section 8 for national exposure control parameters

Poisons Schedule (SUSMP) None allocated

National pollutant inventory

Subject to reporting requirement

Chemical name National pollutant inventory	National pollutant inventory
Ethyl alcohol - 64-17-5	10 tonne/yr Threshold category 1

International Inventories

AICS **All the constituents of this material are listed on the Australian Inventory of Industrial Chemicals.**

NZIoC **All the constituents of this material are listed on the New Zealand Inventory of Chemicals.**

Legend:

- Australian Inventory of Industrial Chemicals

International Regulations

The Montreal Protocol on Substances that Deplete the Ozone Layer	**Not applicable**
The Stockholm Convention on Persistent Organic Pollutants	**Not applicable**
The Rotterdam Convention	**Not applicable**

SECTION 16: OTHER INFORMATION

This SDS summarises to our best knowledge at the date of issue, the chemical health and safety hazards of the material and general guidance on how to safely handle the material in the workplace. Since Heirloom Body Care Pty Ltd cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, assess and control the risks arising from its use of

the material. If clarification or further information is needed, the user should Heirloom Body Care Pty Ltd at the contact details on page 1.
Reason(s) For Issue: 5 Yearly Revised Primary SDS
Issuing Date: 25-Mar-2021
Revision Note:
The symbol (*) in the margin of this SDS indicates that this line has been revised.
Key or legend to abbreviations and acronyms used in the safety data sheet
Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION
Key literature references and sources for data used to compile the SDS
EPA (Environmental Protection Agency)
Acute Exposure Guideline Level(s) (AEGL(s))
U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act
TWA TWA (time-weighted average) STEL STEL (Short Term Exposure Limit)
Ceiling Maximum limit value * Skin designation
C Carcinogen
U.S. Environmental Protection Agency High Production Volume Chemicals
Food Research Journal
Hazardous Substance Database
International Uniform Chemical Information Database (IUCLID)
Japan GHS Classification
Australian Industrial Chemicals Introduction Scheme (AICIS)
NIOSH (National Institute for Occupational Safety and Health)
National Library of Medicine's ChemID Plus (NLM CIP)
National Library of Medicine's PubMed database (NLM PUBMED)
National Toxicology Program (NTP)
New Zealand's Chemical Classification and Information Database (CCID)
Organization for Economic Co-operation and Development Environment, Health, and Safety Publications
Organization for Economic Co-operation and Development High Production Volume Chemicals Program
Organization for Economic Co-operation and Development Screening Information Data Set
RTECS (Registry of Toxic Effects of Chemical Substances)
World Health Organization
Disclaimer
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End of Safety Data Sheet