CERTIFICATE OF ANALYSIS

产品名称 Article	天然芳樟醇 Howood oil
Batch number	4442001
Best Before Date	August 2024

			ded - Y	
项目	规格		判定	
ltem	Specification	Data of analysis	Conclusion	
	无色至微黄色液体	符合	合格	
Description	Colorless to pale yellow liquid	Conformed	Passed	
香气	花香,果香	符合	合格	
Odour	flower fragrance, fruit fragrance	Conformed	Passed	
相对密度(25/25℃)	0.856 ~0.863 0.860		合格	
Specific gravity (25/25°C)	0.850 0.805	0.800	Passed	
折光指数(20℃)	1 400001 4000	1 462	合格	
Refractive index(20°C)	1.4600~1.4650	1.463	Passed	
旋光度(20℃)	220	4.5.5%	合格	
Optical rotation(20°C)	-20°~ -13°	-16.5°	Passed	
溶混度(25℃,60%乙醇)	1ml:4ml 澄清	符合	合格	
Solubility (25°C,60%Ethanol)	1ml:4ml Clear	Conformed	Passed	
酸值(mg KOH/g)		符合	合格	
Acid value(mg KOH/g)	≤0.5	Conformed	Passed	
含量(GC,%)	202.0	99.1	合格	
Content (GC,%)	≥98.0		Passed	
检验约	告果符合 QB/T 2240-2010 规定			
Conclusion Result of analysis: conforming to Standard QB/T 2240-2010				

ALLERGEN STATEMENT

DATE: JAN. 6, 2021

TO WHOM IT MAY CONCERN

RE: HOWOOD OIL

WE HEREBY CERTIFY AND GUARANTEE THAT OUR PRODUCT OF THE ABOVE-MENTIONED GOODS ARE ALLERGEN FREE AND CONFIRMED TO IFRA ALLERGEN REQUIREMENTS.

CMR STATEMENT

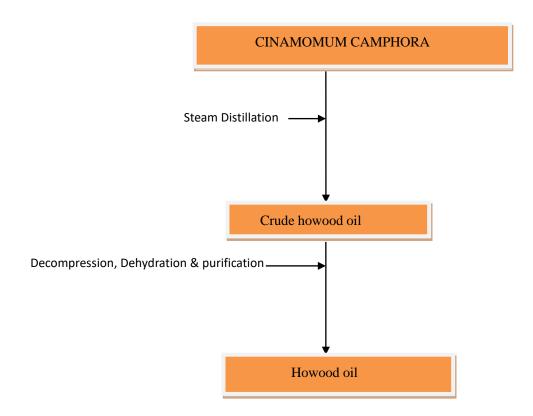
DATE: MAR. 2, 2021

TO WHOM IT MAY CONCERN

RE: HOWOOD OIL

WE HEREBY CERTIFY AND GUARANTEE THAT OUR PRODUCT OF THE ABOVE-MENTIONED GOODS ARE CONFIRMED TO CMR REQUIREMENTS.

FLOW CHART OF HOWOOD OIL



GMO STATEMENT

DATE: JAN. 6, 2021

TO WHOM IT MAY CONCERN

RE: HOWOOD OIL

WE HEREBY CERTIFY AND GUARANTEE THAT OUR PRODUCT OF THE ABOVE-MENTIONED GOODS ARE GMO (GENETICALLY MODIFIED ORGANISM) FREE.

STATEMENT

DATE: FEB. 25, 2021

TO WHOM IT MAY CONCERN

RE: HOWOOD OIL

WE HEREBY CERTIFY AND GUARANTEE THAT OUR PRODUCT OF

THE ABOVE-MENTIONED GOODS CAN MEET IFRA 49 LATEST STANDARD.

MSDS for Howood oil

I. PRODUCT IDENTIFICATION

PRODUCT NAME: Howood oil CAS #: 78-70-6 FORMULA: Essential Oil Madar Corporation Limited 19 - 20 Sandleheath Industrial Estate, Fordingbridge, SP6 1PA TEL: +44 90)1425 655 555

II HAZARD IDENTIFICATION

GHS Classification Flammable liquids - Category 4 Skin Corrosion / Irritation - Category 2 Carcinogenicity - Category 2 GHS Label elements, including precautionary statements



Signal: Warning

Hazard statement(s) H227 Combustible liquid. H315 Causes skin irritation. H317 May cause an allergic skin reaction.

Precautionary statement(s)
P264 Wash hands thoroughly after handling.
P272 Contaminated work clothing should not be allowed out of the workplace.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P302 IF ON SKIN: Wash with plenty of soap and water.
P333 If skin irritation or a rash occurs: Get medical advice/attention.
P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P332+P313 If skin irritation occurs: Get medical advice/attention.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.
P501 Dispose of contents and container in accordance with local, regional, national and/or international regulation for hazardous wastes.

III. COMPOSITION OR INFORMATION ON INGREDIENTS

Product Name	CAS NO	EC NO	Concentration
Natural linalool	78-70-6	201-134-4	98-100%

IV. EMERGENCY AND FIRST AID PROCEDURES

Section 4: First Aid Measures

Eye Contact:

Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.

Skin Contact:

In case of contact, immediately flush skin with plenty of water. Cover the irritated skin with an emollient. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.

Serious Skin Contact:

Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek medical attention.

Inhalation:

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Serious Inhalation: Not available.

Ingestion:

Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.

Serious Ingestion: Not available.

V. FIREFIGHTING MEASURES

Suitable extinguishing media Foam. Dry Powder. Carbon dioxide.

Unsuitable extinguishing media Water spray, water jet.

Special protective equipment and precautions for fire-fighters Wear proper protective equipment. Exercise caution when fighting any chemical fire. Use water spray or fog for cooling exposed containers.

Special hazards arising from the substance or its combustible products Will not burn but increases intensity of fire. Heating may cause expansion or decomposition leading to violent rupture of containers.

VI. ACCIDENTAL RELEASE MEASURES

Small Spill:

Absorb with an inert material and put the spilled material in an appropriate waste disposal.

Large Spill:

Combustible material. Keep away from heat. Keep away from sources of ignition. Stop leak if without risk. If the product is in its solid form: Use a shovel to put the material into a convenient waste disposal container. If the product is in its liquid form: Absorb with an inert material and put the spilled material in an appropriate waste disposal. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

VII. HANDLING AND STORAGE INFORMATION

Precautions:

Keep locked up.. Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. Do not breathe gas/fumes/ vapor/spray. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes.

Storage:

Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame).

VIII. EXPOSURE CONTROLS AND PROTECTION INFORMATION

Engineering Controls:

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

Personal Protection:

Splash goggles. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill:

Splash goggles. Full suit. Vapor respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits: Not available.

IX. PHYSICAL AND CHEMICAL PROPERTIES

CHARACTERS: COLORLESS TO PALE YELLOW LIQUID, FLOWER FRAGRANCE, FRUIT FRAGRANCE SPECIFIC GRAVITY (20/20°C): 0.856 ~0.863 REFRACTIVE INDEX (20°C): 1.4600~1.4640 OPTICAL ROTATION (20°C): $-20^{\circ} \sim -13^{\circ}$ SOLUBILITY (25°C,60%Ethanol): 1ml:4ml Clear ACID VALUE (mg KOH/g): ≤ 0.5

CONTENT (GC,%): \geq 98.0 Flash point : 79 °C

X. STABILITY AND REACTIVITY

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Heat, ignition sources (flame, sparks), incompatible materials.

Incompatibility with various substances: Not available.

Corrosivity: Not available.

Special Remarks on Reactivity:

Light Sensitive. No other information found at this time. Special Remarks on Corrosivity: Not available.

Polymerization: Will not occur.

XI. TOXICOLOGICAL INFORMATION

Specific target organ toxicity

May cause damage to organs.

Inhalation

Inhalation of high concentrations of vapor may result in irritation of eyes, nose and throat, headache,

nausea, and dizziness.

Skin contact

Adverse skin effects should be prevented by normal care and personal hygiene.

Eye contact

Possible irritation should be prevented by wearing safety glasses.

Ingestion

Low order toxicity causing irritation of the stomach and intestines which results in nausea and vomiting

XII. ECOLOGICAL INFORMATION

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation:

Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise

XIII. DISPOSAL CONSIDERATION

Waste Disposal:

Waste must be disposed of in accordance with federal, state and local environmental control regulations.

XIV. TRANSPORTATION INFORMATION

US DOT Shipping Description (Land) Not regulated. IMO-IMDG Shipping Description (Sea) Not regulated. IATA Shipping Description (Air) Not regulated.

XV. REGULATORY INFORMATION

Toxic Substances Control Act (TSCA) TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D) Not regulated. CERCLA Hazardous Substance List (40 CFR 302.4) Not listed. SARA 304 Emergency release notification Not regulated. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053) Not listed.

XVI. OTHER INFORMATION

None

*** DISCLAIMER ***

The information contained in this MSDS is believed to be accurate and represent the best information currently available to us. We have tried to make the information as accurate as possible, however, it must be pointed out that we make no warranty of merchantability or any other warranty, expressed or implied. Madar Corporation Limited, disclaims any liability for any injury or loss arising from the use of this information or the materials described. Users should make their own investigations to determine the suitability of the information for their particular applications. In no way shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any social, indirect, incidental, consequential or exemplary damages, howsoever arising, even if the company has been advised of the possibility of such damages.

PRODUCT SPECIFICATION OF HOWOOD OIL



CHARACTERS: COLORLESS TO PALE YELLOW LIQUID, FLOWER FRAGRANCE, FRUIT FRAGRANCE

SPECIFIC GRAVITY (20/20°C): 0.856 ~0.863 REFRACTIVE INDEX (20°C): 1.4600~1.4640 OPTICAL ROTATION (20°C): -20° ~ -13° SOLUBILITY (25°C,60%Ethanol): 1ml:4ml Clear ACID VALUE (mg KOH/g): ≤0.5 CONTENT (GC,%): ≥98.0



19-20 Sandleheath Industrial Estate, Fordingbridge, Hampshire, SP6 1PA, UK Tel: 01425 655555 Email: technical@madarcorporation.co.uk Page 1 of 1

VEGAN STATEMENT

DATE: JAN. 6, 2021

TO WHOM IT MAY CONCERN

RE: HOWOOD OIL

WE HEREBY CERTIFY AND GUARANTEE THAT OUR PRODUCT OF THE ABOVE-MENTIONED GOODS ARE CONFIRM TO VEGAN SUITABILITY.