



ALPHA TERPINEOL
Batch No - 4385302
Best Before - January 2022

CAS#: 98-55-5

CERTIFICATE OF ANALYSIS

PRODUCT NAME	TERPINEOL
MOLECULAR FORM	C ₁₀ H ₁₈ O
MOLECULAR WT	154.25
MELTING POINT (C)	20 deg C
BOILING POINT (C)	218 deg C
FLASH POINT (F)	191 deg F
SHELF LIFE (DAYS)	730
MANUFACTURE DATE	01/07/2019
EXPIRATION DATE	30/06/2021
REVISED EXPIRATION DATE	/ /

PHYSICAL SPECIFICATIONS	RANGE	RESULTS
APPEARANCE	COLORLESS VISCOUS LIQUID	CONFORMS
ODOR	FLORAL, SWEET, LILAC-LIKE ODOR	CONFORMS
SPECIFIC GRAVITY (25C)	0.9300 to 0.9360	0.9350
REFRACTIVE INDEX (20C)	1.4820 to 1.4850	1.4834
SOLUBILITY	SLIGHTLY SOLUBLE IN GLYCERINE AND WATER	

ANALYTICAL SPECIFICATIONS	RANGE	RESULTS
PURITY (BY GC)	96.0% MIN (SUM OF ISOMER)	

OTHER SPECIFICATIONS	RANGE	RESULTS
SOLUBILITY IN ALCOHOL	1 ML IN 2 ML OF 70% ALCOHOL	

STABILITY

STABLE UNDER NORMAL CONDITIONS

TORAGE

STORE IN COOL DRY PLACE AWAY FROM HEAT AND SUNLIGHT.
SHELF LIFE CONSIDERATIONS APPLY ONLY FOR ORIGINAL UNOPENED CONTAINERS



FRAGRANCE ALLERGENS

MADAR Corporation Ltd hereby certifies that:

ALPHA TERPINEOL

Contains the following fragrance allergens as detailed in the 7th Amendment to the EU Cosmetic Directive 76/768/EEC:

	Allergen	CAS number	Content %
1	Alpha isomethylionone	127-51-5	-
2	Amyl cinnamal	122-40-7	-
3	Amylcinnamyl alcohol	101-85-9	-
4	Anisyl alcohol	105-13-5	-
5	Benzyl alcohol	100-51-6	-
6	Benzyl benzoate	120-51-4	-
7	Benzyl cinnamate	103-41-3	-
8	Benzyl salicylate	118-58-1	-
9	Butylphenyl methylpropional (Lilial)	80-54-6	-
10	Cinnamal	104-55-2	-
11	Cinnamyl alcohol	104-54-1	-
12	Citral	5392-40-5	-
13	Citronellol	106-22-9	-
14	Coumarin	91-64-5	-
15	Eugenol	97-53-0	-
16	Farnesol	4602-84-0	-
17	Geraniol	106-24-1	-
18	Hexyl cinnamal	101-86-0	-
19	Hydroxycitronellal	107-75-5	-
20	Hydroxyisohexyl 3-cyclohexene carboxaldehyde (Lyral)	31906-04-4	-
21	Isoeugenol	97-54-1	-
22	Limonene	5989-27-5	-
23	Linalool	78-70-6	-
24	Methyl 2-octynoate	111-12-6	-
25	Evernia furfuracea (Treemoss) extract	90028-67-4	-
26	Evernia prunastri (Oakmoss) extract	90028-68-55	-

(All absent)

PROCESS FLOW CHART

TERPINEOL



MADAR Corporation Ltd hereby certifies that the products has no added antioxidants, diluents, colorants or preservatives, nor are any solvents used in the extraction process.



GMO STATEMENT

MADAR Corporation Ltd hereby certifies that:

APLHA TERPINEOL

to the best of its knowledge does not derive from a genetically modified source (GMO) as specified in Regulation (EC) No 1829/2003 nor have GMO materials been used in its manufacture or as additives. It requires no special labelling or traceability with regards to GMO as outlined in Regulation (EC) No 1830/2003.



IFRA CERTIFICATE

ALPHA TERPINEOL

MADAR Corporation Ltd hereby certifies that the above material complies with the requirements of the INTERNATIONAL FRAGRANCE ASSOCIATION - IFRA-48th Amendment / published June 10th 2015) provided it is used in following application (class) at a maximum concentration level of:

IFRA category	Maximum level of use (%)
Class 1	Not restricted
Class 2	Not restricted
Class 3A	Not restricted
Class 3B	Not restricted
Class 3C	Not restricted
Class 3D	Not restricted
Class 4A	Not restricted
Class 4B	Not restricted
Class 4C	Not restricted
Class 4D	Not restricted
Class 5	Not restricted
Class 6	Not restricted
Class 7A	Not restricted
Class 7B	Not restricted
Class 8A	Not restricted
Class 8B	Not restricted
Class 9A	Not restricted
Class 9B	Not restricted
Class 9C	Not restricted
Class 10A	Not restricted
Class 10B	Not restricted
Class 11	Not restricted

The above values were calculated based on the following IFRA restricted materials: <none contained>

The IFRA Standards regarding use restrictions are based on safety assessments by the Panel of Experts of the RESEARCH INSTITUTE FOR FRAGRANCE MATERIALS (RIFM) and are enforced by the IFRA Scientific Committee.

It is the ultimate responsibility of our customer to ensure the safety of the final product by further testing if need be. Evaluation of the Fragrance ingredient was made according to the safety requirements contained in the relevant section of the IFRA Code of Practice.

IFRA category includes	IFRA category
Toys (****)	Class 1A
Insect Repellent intended to be applied on the skin Lip Products of all types (solid and liquid lipsticks, balms, clear or coloured etc...)(****)	Class 1B
Deodorant and Antiperspirant products of all types (spray, stick, roll-on, under-arm and body etc...)	Class 2
Hydroalcoholic products applied to recently shaved skin (EdT range)	Class 3A
Hydroalcoholic products applied to recently shaved skin (fine fragrance range)	Class 3B
Eye Products of all types (eye shadow, mascara, eyeliner, eye make-up, etc...) Men's Facial Creams, Balms, Wipes, Refreshing Tissues	Class 3C
Tampons	Class 3D
Hydroalcoholic Products applied to unshaved skin (EdT range) Ingredients of Perfume Kits, Scent Strips for Hydroalcoholic Products, "scratch and sniff", other paper products	Class 4A
Hydroalcoholic Products applied to unshaved skin, Fine Fragrance range	Class 4B
Hair Styling Aids Sprays of all types (pumps, aerosol sprays, etc...). Hair Deodorant Body Creams, Oils, Lotions of all types (including baby creams, lotions, oils) Fragrance Compounds for Cosmetic Kits, Foot Care Products	Class 4C
Fragrancing Creams of all types	Class 4D
Women's Facial Creams/Facial Make-up/Facial Wipes. Facial Masks, Hand Cream	Class 5A
Mouthwash, Toothpaste (****)	Class 6
Intimate Wipes, Baby Wipes	Class 7
Make-up Removers of all types (not including face cleansers) Hair Styling Aids Non-Spray of all types (mousse, gels, leave-in conditioners etc...) Nail Care, all Powders & Talcs (including baby powders and talcs)	Class 8
Liquid Soap, Bar Soap (toilet soap), Depilatory, Conditioner (rinse-off), Shampoos of all types (including baby shampoos) Face Cleansers of all types (washes, gels, scrubs, etc...) Shaving Creams of all types (stick, gels, foams, etc...) Body Washes of all types (including baby washes) and Shower Gels of all types Bath Gels, Foams, Mousses, Salts, Oils and other products added to bathwater	Class 9A
Feminine pads/Liners	Class 9B
Aerosols (including air fresheners sprays but not including deodorant/antiperspirants, hair styling aids spray)	Class 9C
Hand wash/Machine Wash Laundry Detergents of all types (liquid, powder, tablet, etc...) including Laundry Bleaches Other Household Cleaning Products (fabric cleaners, soft surface cleaners, carpet cleaners etc...), Dry Cleaning Kits Fabric Softeners of all types including softener sheets. Hand Dishwashing Detergent. Hard Surface Cleaners of all types (bathroom and kitchen cleansers, furniture polish etc...), Shampoos for pets	Class 10A
Diapers	Class 10B
All non-skin contact, including: Air Fresheners and fragrancing of all types (excluding aerosol products): plug-ins, solid substrate, membrane delivery; Toilet blocks; Joss Sticks, Incense; Insecticides (mosquito coil, paper, electrical, etc...excluding aerosols); Plastic articles (excluding toys); Candles; Fuels; Paints.	Class 11A
All incidental skin contact, including: Machine Dish wash Detergents and Deodorizers. Machine only Laundry Detergents (e.g. liquid tabs) Deodorizers/Maskers (e.g. fabric drying machine deodorizers, carpet powder) Pot pourri, fragrancing sachets, liquid refills for air fresheners, etc... Shoe polishes; Cat Litter; Animal Sprays (excluding aerosols); Treated Textiles; Odoured Distilled Water	Class 11B

(****) Fragrance materials for use in these applications need also FEMA-GRAS conformity.



CERTIFICATE OF ORIGIN

MADAR Corporation Ltd hereby certifies that:

TERPINEOL

Originates from and is produced in China.

This safety data sheet complies with the requirements of:
Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008

Product name Alpha Terpineol

Issue date 28-Jan-2015

Revision date 16-Aug-2018

Version 3

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

1.1. Product Identifier

Product code	TER0002
<i>Product name</i>	TERPINEOL
REACH registration number	01-2119553062-49-XXXX
EC No.	232-268-1
CAS No	8000-41-7
Chemical Name	2-(4-Methylcyclohex-3-en-1-yl)propan-2-ol
Synonyms	p-menth-1-en-8-ol
Pure substance/mixture	Substance
<i>Contains alpha-Terpineol</i>	
Formula	C10H18O
Molecular weight	154.25

1.2. Relevant identified uses of the substance or mixture and uses advised against

Sold to the general public?	No
Recommended Use	Industry Use

1.3. Details of the supplier of the safety data sheet

Supplier

Madar Corporation Limited
19 - 20 Sandleheath Industrial Estate
Fordingbridge
SP6 1PA

01425 655 555

For further information, please contact

Contact Point	
E-mail address	technical@madarcorporation.co.uk

1.4. Emergency telephone number

Emergency telephone

Emergency telephone - 01425 655 555
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SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

Skin corrosion/irritation	Category 2 - (H315)
Serious eye damage/eye irritation	Category 2 - (H319)

2.2. Label Elements**Product identifier**

Contains alpha-Terpineol

**Signal word**

Warning

Hazard statements

H315 - Causes skin irritation

H319 - Causes serious eye irritation

Precautionary Statements

P280 - Wear protective gloves/protective clothing/eye protection/face protection

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

P337 + P313 - If eye irritation persists: Get medical advice/attention

P264 - Wash hands thoroughly after handling

P102 - Keep out of reach of children

2.3. Other Hazards

H401 - Toxic to aquatic life H227 - Combustible liquid

SECTION 3: Composition/information on ingredients

3.1 Substances**Chemical nature**

Alcohol.

Chemical Name	EC No.	CAS No.	Weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]	REACH registration number
alpha-Terpineol	Present	98-55-5	100	Aquatic Acute 2 (H401) (EFFA) Eye Irrit. 2 (H319) (EFFA) Skin Irrit. 2 (H315) (EFFA) Acute Tox. 5 (H303)(EFFA) Flam. Liq. 4 (H227)(EFFA)	No data available

Full text of H- and EUH-phrases: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures**General advice**

If symptoms persist, call a physician.

Inhalation

Immediate medical attention is not required. If symptoms persist, call a physician. Move to

fresh air in case of accidental inhalation of vapors or decomposition products.

Skin contact	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation occurs: Get medical advice/attention. Immediate medical attention is not required. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If skin irritation persists, call a physician.
Eye Contact	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. If symptoms persist, call a physician.
Ingestion	Rinse mouth. Drink 1 or 2 glasses of water.
Self-protection of the first aider	Use personal protective equipment as required.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms None known.

4.3. Indication of any immediate medical attention and special treatment needed

Note to physicians Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable Extinguishing Media

Use Dry chemical Carbon dioxide (CO₂) Water spray (fog) Alcohol resistant foam

Unsuitable extinguishing media

Do not use a solid water stream as it may scatter and spread fire

5.2. Special hazards arising from the substance or mixture

Combustible material Keep product and empty container away from heat and sources of ignition Risk of ignition

Hazardous combustion products Irritating or toxic substances may be emitted upon burning, combustion, or decomposition.

5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective suit. Use personal protective equipment as required.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions

Use personal protective equipment as required. Remove all sources of ignition. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Pay attention to flashback. Take precautionary measures against static discharges.

For emergency responders

Use personal protection recommended in Section 8.

6.2. Environmental precautions

Do not flush into surface water or sanitary sewer system. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.

6.3. Methods and material for containment and cleaning up

Methods for Containment	Prevent further leakage or spillage if safe to do so. Cover with DRY earth, DRY sand or other non-combustible material followed with plastic sheet to minimize spreading or contact with rain.
Methods for cleaning up	Soak up with inert absorbent material. Dam up. Pick up and transfer to properly labeled containers. Take precautionary measures against static discharges.

6.4. Reference to other sections

See Section 12: ECOLOGICAL INFORMATION.

SECTION 7: Handling and storage**7.1. Precautions for safe handling****Advice on safe handling**

Use with local exhaust ventilation. All equipment used when handling the product must be grounded. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Use personal protective equipment as required. Do not breathe dust/fume/gas/mist/vapors/spray. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors).

General hygiene considerations

When using do not eat, drink or smoke. Regular cleaning of equipment, work area and clothing is recommended.

7.2. Conditions for safe storage, including any incompatibilities**Storage Conditions**

Protect from direct sunlight. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Keep containers tightly closed in a cool, well-ventilated place. Keep in properly labeled containers.

7.3. Specific end use(s)**Risk Management Methods (RMM)**

The information required is contained in this Material Safety Data Sheet.

SECTION 8: Exposure controls/personal protection**8.1. Control parameters**

Derived No Effect Level (DNEL)	Workers
dermal	Acute effects systemic - 5 mg/kg bw/day, Chronic effects systemic - 1.17 mg/kg bw/day
Inhalation	Acute effects systemic - 5.8 mg/m ³ , Chronic effects systemic - 5.8 mg/m ³
Derived No Effect Level (DNEL)	General Population
oral	Acute effects systemic - 2.5 mg/kg bw/day, Chronic effects systemic - 0.42 mg/kg bw/day
dermal	Acute effects systemic - 2.5 mg/kg bw/day, Chronic effects systemic - 12.5 mg/kg bw/day
Inhalation	1.25 mg/m ³
Predicted No Effect Concentration (PNEC)	
Fresh Water	62µg/ L

Sea Water	6.2 µg/L
Sea sediment	0.044 mg/kg sediment dw
Soil	0.052 mg/kg soil dw
Impact on Sewage Treatment	2.57 mg/L

8.2. Exposure controls

Engineering controls	Showers Eyewash stations Ventilation systems Ensure adequate ventilation, especially in confined areas
Personal Protective Equipment	
Eye/Face Protection	Tight sealing safety goggles.
Hand protection	Wear protective gloves.
Skin and Body Protection	Suitable protective clothing. Wear chemical resistant clothing such as gloves, apron, boots or whole bodysuits made from neoprene, as appropriate. Antistatic footwear. Gloves made of plastic or rubber.
Respiratory protection	No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.
Environmental exposure controls	No information available.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	Liquid		
Appearance	Clear	Odor	Characteristic Odor
Color	Colorless to almost colorless	Odor threshold	Not applicable

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH		
Melting point / freezing point	< -20 °C / -4 °F	
Boiling point / boiling range	210 - 225 °C / 410 - 437 °F	
Flash Point	91 °C / 196 °F	
Evaporation Rate		
Flammability (solid, gas)		
Flammability Limit in Air		
Upper flammability limit:		
Lower flammability limit:		
Vapor pressure	0.3kPa	(20°C)
Vapor Density		
Specific gravity	0.930 - 0.936	(25°C)
Water solubility	2.54 g/L	
solubility(ies)		
Partition coefficient	2.6	n-octanol/water (30°C)
Autoignition Temperature	264 °C / 507 °F	
Decomposition temperature		
Kinematic viscosity		
Dynamic viscosity		
Explosive properties	Not an explosive	
Oxidizing properties	Not oxidising	

9.2. Other information

Molecular weight	154.25
VOC content (%)	Not applicable
Density	Not applicable
Bulk Density	Not applicable

SECTION 10: Stability and reactivity

10.1. Reactivity

10.2. Chemical stability

Stable under recommended storage conditions.

Explosion data

Sensitivity to Mechanical Impact None.
Sensitivity to Static Discharge None.

10.3. Possibility of hazardous reactions

Possibility of Hazardous Reactions

None under normal processing.

10.4. Conditions to avoid

Extremes of temperature and direct sunlight. Heat, flames and sparks.

10.5. Incompatible materials

No information available.

10.6. Hazardous decomposition products

None under normal use conditions.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

Product Information

Inhalation	Avoid breathing vapors or mists.
Eye Contact	Avoid contact with eyes. Causes serious eye irritation.
Skin contact	Avoid contact with skin. Irritating to skin.
Ingestion	No known hazard by swallowing.

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral)	>2,000.00 mg/kg
ATEmix (dermal)	>2,000.00 mg/kg
ATEmix (inhalation-vapor)	>4,760.00 mg/l

Unknown acute toxicity

0 % of the mixture consists of ingredient(s) of unknown acute oral toxicity.
0 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity.

Skin corrosion/irritation	Irritating to skin.
Serious eye damage/eye irritation	Causes serious eye irritation.
Sensitization	Not expected to cause skin sensitization.
Germ cell mutagenicity	Not classified.

Carcinogenicity	None known.
Reproductive toxicity	This product does not contain any known or suspected reproductive hazards above the threshold value.
STOT - single exposure	Not classified.
STOT - repeated exposure	Not classified.
Aspiration hazard	Not classified.

SECTION 12: Ecological information

12.1. Toxicity

Toxic to aquatic life

0 % of the mixture consists of component(s) of unknown hazards to the aquatic environment

Chemical Name	Crustacea	Algae/aquatic plants	Fish
alpha-Terpineol	48hr EC50 - 73 mg/l (Daphnia)	72hr EC50 - 68mg/l	96hr LC50 - 62 to 80 mg/L

12.2. Persistence and degradability

Readily biodegradable.

12.3. Bioaccumulative potential

Low potential for bioaccumulation.

Chemical Name	Partition coefficient
alpha-Terpineol	2.6

12.4. Mobility in soil

Mobility in soil

No information available

12.5. Results of PBT and vPvB assessment

This substance is not considered to be persistent, bioaccumulating nor toxic (PBT).

12.6. Other adverse effects

No information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste from Residues/Unused Products	Disposal should be in accordance with applicable regional, national and local laws and regulations.
Contaminated packaging	Do not reuse container.

SECTION 14: Transport information

IMDG

14.1 UN/ID no	Not regulated
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14.2 Proper Shipping Name	Not regulated
14.3 Hazard Class	Not regulated
14.4 Packing group	Not regulated
14.5 Marine pollutant	Not applicable
14.6 Special Provisions	None
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	No information available

RID

14.1 UN/ID no	Not regulated
14.2 Proper Shipping Name	Not regulated
14.3 Hazard Class	Not regulated
14.4 Packing group	Not regulated
14.5 Environmental hazard	Not applicable
14.6 Special Provisions	None

ADR

14.1 UN/ID no	Not regulated
14.2 Proper Shipping Name	Not regulated
14.3 Hazard Class	Not regulated
14.4 Packing group	Not regulated
14.5 Environmental hazard	Not applicable
14.6 Special Provisions	None

ICAO (air)

14.1 UN/ID no	Not regulated
14.2 Proper Shipping Name	Not regulated
14.3 Hazard Class	Not regulated
14.4 Packing group	Not regulated
14.5 Environmental hazard	Not applicable
14.6 Special Provisions	None

IATA

14.1 UN/ID no	Not regulated
14.2 Proper Shipping Name	Not regulated
14.3 Hazard Class	Not regulated
14.4 Packing group	Not regulated
14.5 Environmental hazard	Not applicable
14.6 Special Provisions	None

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**European Union**

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

Authorization and/or restrictions on use:

This product does not contain substances subject to authorization (Regulation (EC) No. 1907/2006 (REACH), Annex XIV) This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

Persistent Organic Pollutants

Not applicable

Ozone-depleting substances (ODS) regulation (EC) 1005/2009 Not applicable

15.2. Chemical safety assessment

A Chemical Safety Assessment has been carried out for this substance

SECTION 16: Other information

Full text of H-Statements referred to under section 3

H227 - Combustible liquid

H303 - May be harmful if swallowed

H315 - Causes skin irritation

H319 - Causes serious eye irritation

H401 - Toxic to aquatic life

Key literature references and sources for data

Key Source: European Chemicals Agency, <http://echa.europa.eu>

Issue date 28-Jan-2015

Revision date 16-Aug-2018

Revision note Not applicable.

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The 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, unless specified in the text. Classification and labeling according to the IFRA/IOFI Labeling Manual 2017.

End of Safety Data Sheet



PRODUCT IDENTIFICATION

PRODUCT NAME	ALPHA-TERPINEOL
MOLECULAR FORM	C10H18O
MOLECULAR WT	154.25
MELTING POINT (C)	20 deg C
BOILING POINT (C)	218 deg C
FLASH POINT (F)	191 deg F

PHYSICAL SPECIFICATIONS	RANGE	METHOD
APPEARANCE	COLORLESS VISCOUS LIQUID	VISUAL
ODOR	FLORAL, SWEET, LILAC-LIKE ODOR	ORGANOLEPTIC
SPECIFIC GRAVITY (25C)	0.9300 to 0.9360	FCC METHOD
REFRACTIVE INDEX (20C)	1.4820 to 1.4850	FCC METHOD
ANALYTICAL SPECIFICATIONS	RANGE	METHOD
PURITY (BY GC)	96.0% MIN (SUM OF ISOMER)	CHEM_15.M
OTHER SPECIFICATIONS	RANGE	METHOD
SOLUBILITY IN ALCOHOL	1 ML IN 2 ML OF 70% ALCOHOL	FCC METHOD

STABILITY

STABLE UNDER NORMAL CONDITIONS

STORAGE

STORE IN COOL DRY PLACE AWAY FROM HEAT AND SUNLIGHT.
SHELF LIFE CONSIDERATIONS APPLY ONLY FOR ORIGINAL UNOPENED CONTAINERS



VEGAN / VEGETARIAN DECLARATION

MADAR Corporation Ltd. hereby certifies that:

TERPINEOL

to the best of our knowledge is suitable for both vegan and vegetarian diets.