Batch No: 4563712

Best Before December 2027

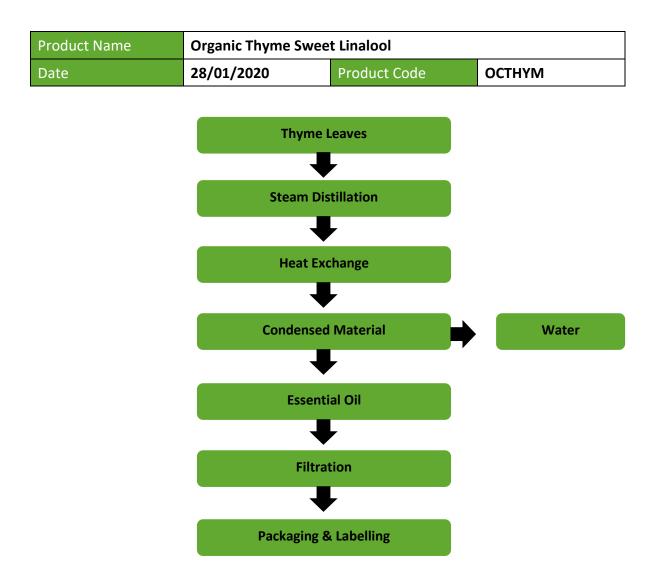
A clear to yellow liquid. Characteristic

0.872 - 0.9.37	0.923
1.468 - 1.504	1.501
-6.0 to +0.0°	-0.8°

This COA is produced electronically therefore no signature is required.

Product Name Organic Thyme Oil W		Organic Thyme Oil Wh	ite Sweet Linalool	
INCI Nam	ne	Thymus Vulgaris Leaf (eaf Oil	
Date 19/01/2022 Product Code			Revision 3	
		Material	Cas Number	Cosmetic Allergens Inclusion (%)
	ALPHA-	ISOMETHYLIONONE	127-51-5	-
		AMYL CINNAMAL	122-40-7	-
	AMYL C	INNAMYL ALCOHOL	101-85-9	-
		ANISE ALCOHOL	105-13-5	-
		BENZYL ALCOHOL	100-51-6	-
		BENZYL BENZOATE	120-51-4	-
	E	BENZYL CINNAMATE	103-41-3	-
		BENZYL SALICYLATE	118-58-1	-
	BUTYLPHENYL	METHYLPROPIONAL	80-54-6	-
		CINNAMAL	104-55-2	-
	C	INNAMYL ALCOHOL	104-54-1	-
		CITRAL	5392-40-5	-
		CITRONELLOL	106-22-9	-
		COUMARIN	91-64-5	-
		EUGENOL	97-53-0	-
		RFURACEA EXTRACT	90028-67-4	-
	EVERNIA P	RUNASTRI EXTRACT	90028-68-5	-
		FARNESOL	4602-84-0	-
		GERANIOL	106-24-1	-
HEXYL CINNAMAL			101-86-0	-
HYDROXYCITRONELLAL			107-75-5	-
HYDROXYISOHEXYL 3-CYCLOHEXENE			31906-04-4	-
		ISO EUGENOL	97-54-1	-
		LIMONENE	5989-27-5	≤0.52
		LINALOOL	78-70-6	≤4.30
	ME	THYL 2-OCTYNOATE	111-12-6	-

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Product Name	Organic Thyme Oil White Sweet Linalool			
INCI Name	Thymus Vulgaris Oil			
Product Code				
Revision No	2 Date 19/01/2022			

Restricted Component	CAS	% Level in Product	IFRA Standard
LIMONENE	5989-27-5	≤0.52	Specification
LINALOOL	78-70-6	≤4.30	Specification
δ 3 CARENE	13466-78-9	≤0.05	Specification
GERANIOL	141-27-5	≤0.05	Restriction

We certify that the above compound is in compliance with the Standards of the International Fragrance Association (IFRA 49TH Amendment published June 25); provided it is used in the following class(es) at a maximum concentration level of the above.

Flavour use consideration - Due to the possible ingestion of small amounts of fragrance ingredients from their use in products in Categories 1 and 6, materials must not only comply with IFRA Standards but must also be recognized as safe as a flavouring ingredient as defined by the IOFI Code of Practice (www.iofi.org). For more details see chapter 1 of the Guidance for the use of IFRA Standards.

IFRA class(es) [see annex for details]	Max level of use (%)
Category 1	100.0
Category 2	64.00
Category 3	100.0
Category 4	100.0
Category 5A	100.0
Category 5B	100.0
Category 5C	100.0
Category 5D	100.0
Category 6	100.0
Category 7A	100.0
Category 7B	100.0
Category 8	100.0
Category 9	100.0
Category 10A	100.0
Category 10B	100.0
Category 11A	100.0
Category 11B	100.0
Category 12	100.0

For other kinds of application or use at higher concentration levels, a new evaluation may be needed.

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.

Evaluation of individual Fragrance ingredients is made according to the safety standards contained in the relevant section of the IFRA Code of Practice.

This certificate serves only as a guide to the maximum level of use. It is the ultimate responsibility of the customer to ensure safe formulating principles are utilised and the safety of the final product (containing this fragrance), by further testing if need be.

Note 1: It is recommended that any material used to impart perfume or flavour in products intended for human ingestion should consist of ingredients that are in compliance with appropriate regulations for foods and food flavourings in the countries of planned distribution.

Note 2: Trials must be performed to satisfy suitability for specified application.

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EC Feed Hygiene Registration No: GB/703/E3008

ANNEX: Definition of IFRA Classes

Finished product types	IFRA Category	Flavour Use	Phototoxicity
Lip products of all types (solid and liquid lipsticks, balms, clear and coloured, etc.) Children's Toys	1	Yes	Applicable (Leave-on Products)
Deodorant and antiperspirant products of all types including any product with intended or reasonably foreseeable use on the axillae or labelled as such (spray, stick, roll-up, under-arm, deo-cologne, etc.). Body sprays (including mist).	2	No	Applicable (Leave- on Products)
Eye products of all types (eye-shadow, mascara, eyeliner, eye make-up, eye masks, eye pillows, etc.) including eye care and moisturiser. Face make-up and foundation. Make-up remover for face and eyes. Nose pore strips. Wipes refreshing tissues for face, neck, hands, body. Body and face paint (for children and adults). Facial masks for face and around the eyes.	3	No	Applicable (Leave- on Products)
Hydroalcoholic and non-hydroalcoholic fine fragrance of all types (Eau De Toilette, Parfum, Cologne, Solid Perfume, Fragrancing Cream, Aftershaves of all types etc.) Fragranced Bracelets. Ingredients of perfume kits and fragrance mixtures for cosmetic kits. Scent pads, foil packs. Scent strips for hydroalcoholic products.	4	No	Applicable (Leave- on Products)
Body Creams, oils, lotions of all types. Foot care products (creams and powders). Insect repellent (intended to be applied to skin). All powders and talc (excluding baby powders and talc).	5A	No	Applicable (Leave- on Products)
Facial toner. Facial Moisturisers and creams.	5B	No	Applicable (Leave- on Products)
(women's facial creams) Hand cream. Nail care products including cuticle creams, etc. Hand sanitisers.	5C	No	Applicable (Leave- on Products)
Baby cream/lotion, baby oil, baby powders and talc.	5D	No	Applicable (Leave- on Products)
Toothpaste. Mouthwash, including breath sprays. Toothpowder, strips, mouthwash tablets.	6	Yes	Applicable (Leave- on Products)
Hair permanent or other hair chemical treatments (rinse-off) (e.g. relaxers), including rinse off hair dyes	7A	No	Applicable (Leave- on Products)
Hair sprays of all types (pumps, aerosol sprays, etc). Hair styling aids non-spray (mousse, gels, leave-on conditioners). Hair permanent or other hair chemical treatments (leave-on) (e.g. relaxers), including leave-on hair dyes. Shampoo – Dy (waterless shampoo). Hair deodoriser.	7B	No	Applicable (Leave- on Products)
Intimate wipes. Tampons. Baby Wipes. Toilet paper (wet).	8	No	Applicable (Leave- on Products)
Bar soap. Shampoo of all types. Cleanser for face (rinse-off). Conditioner (rinse-off) Liquid soap. Body washes and shower gels of all types. Baby	9	No	Applicable (Rinse- off Products)

 wash, bath, shampoo. Bath gel foams, mousses, salts, oils, and other products added to bath water. Foot care products (feet are placed in bath for soaking). Shaving creams of all types (stick, gel, foams, etc.). All depilatories (including facial) and waxes for mechanical hair removal. Shampoo for pets. Hand wash laundry detergent (including concentrates). Laundry pretreatment of all types (e.g. paste, sprays, sticks). Hand dishwashing detergent (including concentrates). Hard surface cleaners of all types (bathroom and kitchen cleansers, furniture polish, etc.). Machine laundry detergents with skin contact (e.g. liquids, powders) including concentrates. Dry cleaning kits. Toilet seat wipes. Fabric softeners of all types including fabric softener sheets. Household cleaning products, other types including fabric cleaners, soft surface cleaners, carpet cleaners, furniture polishes spray and wipe, leather cleaning wipes, stain removers, fabric enhancing sprays, treatment products for textiles (e.g. starch sprays, fabric treatment with fragrances after wash, deodorisers for textiles or fabrics). Floor wax. Fragranced oil for lamp ring, reed diffusers, pot-purri, liquid refills for air fresheners (non-cartridge systems), etc. Ironing water (odourised distilled water). 	10A	No	Applicable (Rinse- off Products)
Animal sprays – sprays applied to animals of all types. Air fresheners sprays, manual, including aerosol and pump. Aerosol spray insecticides.	10B	No	Applicable (Rinse- off Products)
Feminine hygiene conventional pads, liners, interlabial pads. Diapers (baby and adult). Adult incontinence pant, pad. Toilet paper (dry).	11A	No	Not Apllicable (leave-on products without UV exposure)
Tights with moisturisers. Scented cocks, gloves. Facial tissues (dry tissues). Napkins. Paper Towels. Wheat bags. Facial masks (paper/protective) e.g. surgical masks used as medical device. Fertilisers, solid (pellet or powder).	11B	No	Applicable (Leave- on Products)
Candles of all types (including encased). Laundry detergents for machine wash with minimal skin contact (e.g. Liquid tabs, pods). Automated air fresheners and Fragrancing of all types (concentrated aerosol with metred doses (range 0.05 – 0.5 ml/spray) plug-ins, closed systems, solid substrate, membrane delivery, electrical, powders, fragrancing sachets, incense, liquid refills (cartridge), air freshening crystals. Air delivery systems. Cat litter. Cell phone cases. Deodorisers/maskers not intended for skin contact (e.g. fabric drying machine deodorisers and carpet powders). Fuels. Insecticides (e.g. mosquito coil, paper, electrical, for clothing) excluding aerosols/sprays. Joss sticks or incense sticks. Dishwasher detergent and deodorisers – for machine wash. Olfactive board games. Paints. Plastic articles (excluding toys). Scratch and sniff. Scent pack. Scent delivery system (using dry air technology). Show polishes. Rim blocks (Toile).	12	No	Not Applicable (Non-skin contact products)

The table was prepared with the intention to cover the vast majority of the products; however, it may not cover some specific applications. In this case other classes may be attributed based on a specific risk assessment.

Produc	ct Name	Organic Thyme Oil White Sweet Linalool		Organic Thyme Oil White Sweet Linalool			
Date	20/12/2021		Product Code			Rev	3
			•				
Descri	ption	-					
Appea	rance	Liquid, Colourless – Pale Yellow – Reddish					
Odour		Characteristic					
INCI Na	ame	Thymus Vulgaris Leaf Oil					
CAS Number 84929-51-1 EC Number 284-535-7			5-7				

TEST SPECIFICATION

Analytical Test	Specification Range
Specific Gravity @ 20°C	0.872 – 0.937
Refractive Index @ 20°C	1.468 – 1.504
Optical Rotation (°)	-6.0 to 0.0

STORAGE

Store in a cool, dry, well-ventilated place. Keep away from heat and sunlight.

STABILITY

If stored for twenty-four months, check quality of product before use.

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Please note as this is a wholly natural material some parameters, in particular, appearance, colour and odour, may change due to natural variation and climate change. This in no way affects the quality and efficacy of the product.

01. IDEN	01. IDENTIFICATION OF THE SUBSTANCE/PREPARATION & THE COMPANY/UNDERTAKING			
1.1	PRODUCT IDENTIFIER			
	PRODUCT NAME	Organic Thyme Oil W	'hite Sweet Linalool	
	INCI NAME	Thymus Vulgaris Leaf Oil		
	CAS	8007-46-3		
	EC	284-532-7		
	REACH			
	REGISTRATION NO.	<1Tpa		
	(if applicable)			
1.2	RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE, AND USES ADVISED AGAINST			
	Industrial use:			
		d-use of washing and	cleaning products	
	Professional use:			
	- Industrial en Consumer use:	d-use of washing and	cleaning products	
		use of cosmetics of v	vashing and cleaning products, of polish and wax blend, of air care	
	products, of biod		washing and cleaning products, or pointin and wax blend, or an earch	
1.3	DETAILS OF THE SUPI	PLIER OF THE SAFETY I	DATA SHEET	
		COMPANY	Madar Corporation Limited	
		ADDRESS	19 - 20 Sandleheath Industrial Estate	
			Fordingbridge, SP6 1A	
		EMAIL ADDRESS	technical@madarcorporation.co.uk	
1.4	EMERGENCY TELEPH	ONE NUMBER	+ 44 (0) 1425 655 555	
			Available during office hours.	

<u>02. HAZ</u>	ARDS IDENTIFICATION		
2.1	CLASSIFICATION OF THE SUBSTANCE OR MIXTURE		
	CLASSIFICATION (EC 1272/2008)		
	Asp. Tox. 1 – H304 Skin Irrit. 1 – H315 Skin Sens. 1 – H317 Eye Irrit. 2 – H319 Aquatic Chronic 2 – H411		
2.2	LABEL ELEMENTS		
	LABEL IN ACCORDANCE WITH (EC) NO 1272/2008		
	SIGNAL WORD Danger		

	HAZARD STATEMENTS		
	H304 - May be fatal if swallowed and ente H315 - Causes skin irritation.	rs airways.	
	H317 - May cause an allergic skin reaction. H319 - Causes serious eye irritation		
	-	a officits	
	H411 - Toxic to aquatic life with long lastin		
	PRECAUTIONARY STATEMENTS AND/OR SUPPLEMENTARY STATEMENTS		
	P260 - Do not breathe dust/fumes/gas/mis		
	P262 - Do not get in eyes, on skin, or on clo	•	
	P264 - Wash hands thoroughly after handl		
	P272 - Contaminated work clothing should	not be allowed out of the workplace.	
	P273 - Avoid release to the environment.		
	P280 - Wear protective gloves/clothing/ey		
	P301/P316 - IF SWALLOWED - Get emerge	ncy medical help immediately.	
	P331 - DO NOT induce vomiting.		
	P302/P352 - IF ON SKIN - wash with plenty		
	P333/P317 - IF SKIN irritation or rash occurs: Get medical help.		
	P362/P364 - Take off contaminated clothing and wash it before reuse.		
	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/P317 - IF EYE irritation persists: Get r	nedical help.	
	P391 - Collect spillage.		
	P403/P235 - Store in a well-ventilated place	e. Keep cool.	
	P405 - Store locked up.		
	-	n accordance with local/regional/national /international regulations.	
		authority to specify whether disposal requirements apply to contents,	
	container or both.		
	SUPPLEMENTARY STATEMENTS		
2.3	OTHER HAZARDS		
	ADVERSE EFFECTS ON HUMAN HEALTH		
		All essential oils are highly concentrated so have strong aromas and	
	ADVERSE PHYSIO-CHEMICAL PROPERTIES	colour that can stain.	
		Thyme oil contains over 11% Hydrocarbons	

<u>03. CON</u>	03. COMPOSITION/INFORMATION ON INGREDIENTS				
3.1/3.2	SUBSTANCES/MIXTURES				
	PERCENTAGE	NAME	CAS	REACH REGISTRATION NO. (if applicable)	HAZARD CLASSIFICATION
	50.0 - 75.0	Linalool	78-70-6	-	Skin Irrit. 2 - H315 Skin Sens. 1B - H317 Eye Irrit. 2 - H319
	3.00 - 8.00	Terpinene-4-Ol	562-74-3	-	Acute Tox. 4 - H302 Skin Irrit. 2 - H315

	Chin Come 4D 11047
	Skin Sens. 1B - H317
	Eye Irrit. 2 - H319 Acute Tox. 4 - H332
	STOT SE 3 (CNS) -
	H336
	Flam. Liq. 3 - H336
2.00 - 6.00 Y-Terpinene 99-85-4 -	Repr. 2 - H361 Aquatic Chronic 2 -
	H411
	Flam. Liq. 3 - H226
	Asp. Tox. 1 - H304
	Skin Irrit. 2 - H315
	Skin Sens. 1B - H317
2.00 - 5.00 B-Myrcene 123-35-3 -	Eye Irrit. 2 - H319
	Aquatic Acute 1 -
	H400
	Aquatic Chronic 2 -
	H411
	Acute Tox. 4 - H302
	Skin Corr. 1B - H314
≤5.00 Carvacrol 207-889-6 -	Eye Dam. 1 - H318
	Aquatic Chronic 2 -
	H411
	Flam. Liq. 3 - H226
	Acute Tox. 4 - H302
1.00 - 4.00 A-Terpinene 99-86-5 -	Skin Sens. 1B - H317
	Eye Irrit. 2 - H319
	Aquatic Chronic 2 - H411
	Flam. Liq. 3 - H226
	Asp. Tox. 1 - H304 Skin Irrit. 2 - H315
	Eye Irrit. 2 - H319
	STOT SE 3 (Lung,
≤4.00 P-Cymene 99-87-6 -	Oral) - H335
	Repr. 2 (treatment
	related) - H361
	Aquatic Chronic 2 -
	H411
	Flam. Liq. 3 - H266
	Asp. Tox. 1 - H304
	Skin Irrit. 2 - H315
	Skin Sens. 1 - H317
≤3.00 Limonene 5989-27-5 -	Aquatic Acute 1 -
	H400
	Aquatic Chronic 1 -
	H410
≤3.00 Borneol 507-70-0 -	Flam. Sol. 2 - H228

				Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Acute Tox. 4 - H332 STOT SE (lungs) (inhalation) - H371
≤3.00	Trans-Thujenol	546-79-2	-	Not classified
0.50 - 2.00	A-Terpineol	98-55-5	-	Skin Irrit. 2 - H315 Eye Irrit. 2 - H319
≤2.00	1,8-Cineol	470-82-6	-	Flam Liq. 3 - H226 Skin Sens. 1B - H317
52.00	B-Phellandrene	555-10-2	-	Flam. Liq. 3 - H226 Asp. Tox. 1 - H304
≤1.50	B-Caryophyllene	87-44-5	-	Asp. Tox. 1 - H304 Skin Sens. 1B - H317
≤1.00	B-Pinene	127-91-3	-	Flam. Liq. 3 - H226 Asp. Tox. 1 - H304 Skin Irrit. 2 - H315 Skin Sens. 1 - H317 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410
≤1.00	Thymol	89-93-8	-	Acute Tox. 4 - H302 Skin Corr. 1B- H314 Eye Dam. 1 - H318 Aquatic Chronic 2 - H411
≤1.00	Camphor	76-22-2	-	Flam. Sol. 2 - H228 Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Acute Tox. 4 - H332 STOT SE 2 (lungs) (inhalation) - H371

04. FIRST AID MEASURES			
4.1 D	4.1 DESCRIPTION OF FIRST AID MEASURES		
GENERAL INFORMATION		Do not leave affected person unattended. Remove victim out of the danger area. Keep affected person warm, still and covered. Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness place person in the recovery position. Never give anything by mouth.	
INHALATION		Remove to fresh air and remain in a position which is comfortable for breathing. In case of respiratory tract irritation, seek medical attention. Seek medical attention.	
INGESTION		Do NOT induce vomiting. Do not give anything by mouth to an unconscious person. Rinse mouth with water. Seek medical attention.	
	SKIN CONTACT	Remove contaminated clothing and wash before reuse. Wash skin thoroughly with soap and water. If discomfort occurs/continues, seek medical attention.	

EYE CONTACT Rinse eyes with clean water for a minimum of fifteen minutes whilst holding eyelids apar safe to do so, remove to contact lenses and continue to rinse. Seek medical attention.			
4.2	4.2 MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED		
	dermatitis. - Inhalation of s mucous memb - Skin sensitizer,	prolonged contact with skin or mucous membranes can cause redness, irritation, blisters or pray mist or particles in suspension may cause irritation of the respiratory tract and associated	
4.3	INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED		
	Treat symptomatically.		

<u>05. FIRE</u>	05. FIREFIGHTING MEASURES		
5.1	EXTINGUISHING METHODS		
	 Carbon Dioxide Alcohol Resistant Foam Dry Chemical Powder Do NOT use water. 		
5.2	HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE		
	In the event of fire this product can generate oxides of carbon and other toxic gases. A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health. Do not breathe in smoke.		
5.3	ADVICE FOR FIREFIGHTERS		
	Wear self-contained respiratory equipment and appropriate protective clothing at all times. Do not inhale any gases or fumes which may be generated. Containers in close proximity to fire should be removed to a safe distance and the exterior of the container cooled with water. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance. Co-ordinate firefighting measures to the fire surroundings. Emergency Action Code - 3[Y] (Foam + BA & Fire Kit)		

<u>06. ACC</u>	06. ACCIDENTAL RELEASE MEASURES		
6.1	PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES		
	 For non-emergency personnel: Use personal protective equipment. Avoid saturated vapour / aerosol / mist formation. Avoid breathing vapour / aerosol / mist. Ensure adequate ventilation. For emergency responders: As per non-emergency personnel. Wear an appropriate NIOSH/MSHA approved respirator if mist, vapour or aerosol is generated. 		
6.2	2 ENVIROMENTAL PRECAUTIONS		
	Retain contaminated washing water and dispose of it appropriately. Do not allow material to be released to the environment (soil / surface- or ground water / drains / sewers). Inform respective authorities in case of seepage into water course or sewage system.		

6.3	METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP THIS PRODUCT
	Clean up spillage promptly. Remove ignition sources. Cover drains. Advices on how to clean up a spill: Wipe up with absorbent material (e.g., cloth, fleece). Collect spillage sand, universal binder). Appropriate containment techniques: Use of adsorbent materials. Other information relating to spills and releases: Place in appropriate containers for disposal. Ventilate affected area. Provide adequate ventilation. Avoid excessive inhalation of vapours. Gross spillages should be contained by use of sand or inert powder and disposed of according to the local regulations. Pick up and arrange disposal without creating mist / aerosol / excessive vapours. Keep in upright, suitable, closed containers for disposal.
6.4	REFERENCE TO OTHER SECTIONS
	Sections 8 & 13

<u>07. EXP</u>	07. EXPOSURE CONTROLS AND/OR PERSONAL PROTECTION		
7.1	PRECAUTIONS FOR SAFE HANDLING		
	Adhere to all good health, safety and hygiene practices. If handling large/heavy packages or drums, ensure the use of suitable mechanical equipment at all times. Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use. Wear personal protective equipment. Do not breathe vapours or spray mist. Use only in area provided with adequate ventilation. Do not eat, drink or smoke whilst handling this product. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge.		
7.2	CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES		
	Store in a cool, dry, well-ventilated area. Protect from freezing, heat and light including sunlight. Protect from all potential sources of ignition. Keep all containers tightly sealed when not in use. Use only non-sparking tools. Take precautionary measures against static discharge.		
7.3	SPECIFIC END USE(S)		
	No additional data		

<u>08. EXP</u>	08. EXPOSURE CONTROLS		
8.1	CONTROL PARAMETERS		
	No additional data		
8.2	EXPOSURE CONTROLS		
	PROTECTIVE EQUIPMENT		
	Use all equipment as required and/or recommended for safe handling.		
	PROCESS CONDITIONS	No additional data	
	ENGINEERING MEASURES Install sufficient ventilation across all areas. Install readily available eyewash stations and safety showers.		
RESPIRATORY EQUIPMENT		Respiratory protection may be required if excessive airborne contamination occurs.	

HAND PROTECTION	Wear appropriate protective chemically resistant gloves which comply with EN374.
EYE PROTECTION	Wear appropriate protective safety goggles which comply with EN166.
HYGIENE MEASURES	Good hygiene practices are always recommended, especially when handling oils, chemicals or any other similar type of material.
SKIN PROTECTION	Wear appropriate protective chemically resistant clothing at all times to prevent any potential skin contact with this product.
ENVIRONMENTAL EXPOSURE CONTROLS	Do not allow the product to enter drains or sewers, water course or the ground. Prevent enviromental contamination.
OTHER AND/OR PERSONAL PROTECTIVE MEASURES	No additional data

09. PHYSICAL AND CHEMICAL PROPERTIES		
7.1 INFORMATION ON BASIC PHYSICAL & CHEMICAL PROPERTIES		
APPEARANCE (E.G. LIQUID)	Liquid	
COLOUR	Yellow - Reddish Yellow	
ODOUR	Characteristic	
SPECIFIC GRAVITY	0.867 - 0.887	
REFRACTIVE INDEX	1.458 - 1.478	
FLASH POINT (°C)	~61.0	
AUTO-IGNITION TEMPERATURE (°C)	No additional data	
MELTING POINT (°C)	No additional data	
BOILING POINT (°C)	No additional data	
FLAMMABILITY	No additional data	
EXPLOSION LIMITS	No additional data	
DECOMPOSITION TEMPERATURE (°C)	No additional data	
SOLUBILITY	No additional data	
pH	No additional data	
VISCOSITY	No additional data	
PARTITION COEFFICIENT N- OCTANOL/WATER (log value)	No additional data	
VAPOUR PRESSURE	No additional data	
VAPOUR DENSITY	No additional data	
9.2 ADDITIONAL INFORMATION	No additional data	

10. STABILITY & REACTIVITY		
10.1	REACTIVITY	
	Expected to remain stable under recommended storage conditions.	
10.2	CHEMICAL STABILITY	

	Expected to remain stable under recommended storage conditions.	
10.3	POSSIBLE HAZARDOUS REACTIONS	
	None expected under normal conditions.	
10.4	CONDITIONS TO AVOID	
	Extremes of temperature. All potential sources of ignition.	
10.5	INCOMPATIBLE MATERIALS	
	Oxidizing Agents	
10.6	HAZARDOUS DECOMPOSITION PRODUCTS	
	Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known.	

<u>11. TOX</u>	. TOXOLOGICAL INFORMATION	
11.1	ACUTE TOXICITY	
	 Acute toxicity, oral: GHS criteria not met. Linalool – mouse and rat, LD50 approx. 2200 and 2790 mg/kg bw respectively Acute toxicity, inhalation: GHS criteria not met Acute toxicity, dermal: GHS criteria not met. Linalool – rabbit, LD50 5610 mg/kg bw 	
11.2	SKIN CORROSION/IRRITATION	
	Skin irritant Cat. 2 - H315 Skin Corr. 1B - H314	
11.3	SERIOUS EYE DAMAGE/IRRITATION	
	Eye Irritant Cat. 2 - H319 Eye Dam. 1 - H318	
11.4	RESPIRATORY/SKIN SENSITIZATION	
	Skin sensitizer Cat. 1 - H317	
11.5	GERM CELL MUTAGENICITY/CARCINOGENICITY/REPRODUCTIVE TOXICITY	
	No additional data	
11.6	STOT – SINGLE EXPOSURE	
	No additional data	
11.7	STOT – REPEATED EXPOSURE	
	No additional data	
11.8	ASPIRATION HAZARD	
	Asp. Tox. 1 – may cause lung damage if liquid enters airways.	
11.9	GENERAL AND/OR ADDITIONAL DATA; E.G. PHOTOTOXICITY	
	No additional data	

12.1	ΤΟΧΙCITY		
	Fish:		
	- No studies available for Thyme Oil ct linalool; Linalool - Oncorhynchus mykiss, 96h-LC50 = 27.8		
	Algae:		
	- No studies available for Thyme Oil ct linalool; Linalool - Desdodesmus subspicatus, 96h-EC50 and EC10 =		
	156.7 and 54.3 respectively. Aquatic invertebrates:		
	 No studies available for Thyme Oil ct linalool; Linalool – 48h-EC50 = 59.0 		
	Microorganisms:		
	 No studies available for Thyme Oil ct linalool; Linalool – Activated sludge, 3h-EC50 and EC10 >100 		
	Terrestrial arthropods:		
	- No studies available for Thyme Oil ct linalool; Tetranychus urticae – 24h-LC50 and LC20 = 18.86 and		
	6.24µl/L air for Thymus vulgaris essential oil (Chitgar et al: 2013 - Archives Phytopath. and Pl. Prot. 46, iss.		
42.2	7) cultivar not specified.		
12.2	PERSISTENCE & DEGRADABILITY		
	No additional data		
12.3	BIOACCUMULATIVE POTENTIAL		
	LogPow main components as follows:		
	Linalool = 2.9		
	Terpinene-4-ol = 3.26		
	γ -Terpinene = 5.4		
	β-Myrcene = 4.82 Carvacrol = 3.33		
	α -Terpinene = 5.3		
	p-Cymene = 4.8		
	α-Pinene = 4.46		
12.4	MOBILITY IN SOIL AND/OR WATER		
	No additional data		
12.5	RESULTS OF A PBT/vPvB ASSESSMENT		
	No additional data		
12.6	OTHER ADVERSE EFFECTS		
	No additional data		

13. DIS	13. DISPOSAL CONSIDERATIONS	
13.1	WASTE TREATMENT METHODS	
	Always dispose of this product in accordance with local and national regulations. Do not allow entry into drains or waterways. Do not contaminate the ground or water with waste. Do not dispose of waste into the environment. Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals. Recycling is always preferable to disposal. When containers have been fully emptied, ensure the labelling remains. Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.	

<u>14. TRAI</u>	14. TRANSPORT INFORMATION	
14.1	UN NUMBER	
14.2	UN PROPER SHIPPING NAME	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N. O. S.
14.3	TRANSPORT HAZARD CLASS(ES)	9
14.4	PACKING GROUP	III
14.5	ENVIRONMENTAL HAZARDS	Environmentally Hazardous Substance/Marine Pollutant
14.6	SPECIAL PRECAUTIONS FOR USER	Details throughout document: 6, 7, 8 Dangerous Goods Note Tunnel Restriction code: 3 (E)
14.7	TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL73/78 AND THE IBC CODE	MARITIME - UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S Class 9, Group III Marine pollutant

15. REGULATORY INFORMATION		
15.1	SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE	
	This Safety Data Sheet was prepared in accordance with EC Regulation (EC) 1907/2006 (REACH), 1272/2008 (CLP), EC 453/2010&830/2015.	
15.2	CHEMICAL SAFETY ASSESSMENT	
	No additional data	

16. OTHER INFORMATION		
16.1	HAZARD STATEMENTS	 H304 - May be fatal if swallowed and enters airways. H315 - Causes skin irritation. H317 - May cause an allergic skin reaction. H319 - Causes serious eye irritation H411 - Toxic to aquatic life with long lasting effects.
16.2	CONCENTRATION PERCENTAGE LIMITS	No additional data
16.3	TOTAL FRACTIONAL VALUES	No additional data
16.4	KEY - ABBREVIATIONS	
16.5	REVISION DATE	27/01/2023
16.6	REVISION NUMBER	1

16.7	REVISION REASON	New document

Additional Data

All information has been provided/confirmed by our suppliers of these products.

Product Name: Organic Thyme Oil White Sweet Linalool

We can confirm that this product is suitable for vegan use. It does not contain and is not derived from any genetically modified materials. Not expected/known to contain and CMR substances.

07/12/2022.