



Essential Oils

Garlic, Essential Oil



VEGAN



CRUELTY-FREE

What can it be used in?

Body Care

Body Oil

Product code

9508444821225

INCI Listing

Allium Sativum Bulb Oil

Manufacturing Method

Steam Distilled

CAS Number

8000-78-0

Origin

Mexico

EINCS

283-406-2

Scent

Spicy

Customs Tariff Code

3301 29 41 00 0

Colour

Light Yellow, Orange

Related Products

K1406

K0195

K1417

Skin Benefits

Garlic Essential Oil offers a potent and pungent aroma. It has a pale yellow color and is commonly used in perfumes, aromatherapy, massage oils, bath products, and hair care products. Garlic Essential Oil provides purifying and conditioning benefits. It is known for its aromatic properties and can add a distinctive scent to formulations. The oil is derived from garlic and contains various components, including limonene and allicin, which contribute to its unique aroma. Garlic Essential Oil can be incorporated into various personal care formulations to harness its beneficial properties and aromatic profile.

Hair Benefits

Garlic Essential Oil can be beneficial for hair care. Its purifying and conditioning properties help promote a healthy scalp and hair. Additionally, the potent and pungent aroma of Garlic Essential Oil provides a distinct and aromatic touch to hair care formulations. It can be incorporated into shampoos, hair masks, and scalp treatments to cleanse, condition, and invigorate the hair and scalp.

Functionality

Antimicrobial

With potent antimicrobial features, it effectively combats harmful microbes, preventing infections and promoting skin health. It supports a clean and clear complexion, safeguarding against unwanted bacteria.

Warming

Introduces a gentle warming sensation to the skin, providing a comforting and soothing effect. This property is ideal for products designed to promote relaxation, especially in massage oils or creams

MANUFACTURING FLOW & INCI STATEMENT

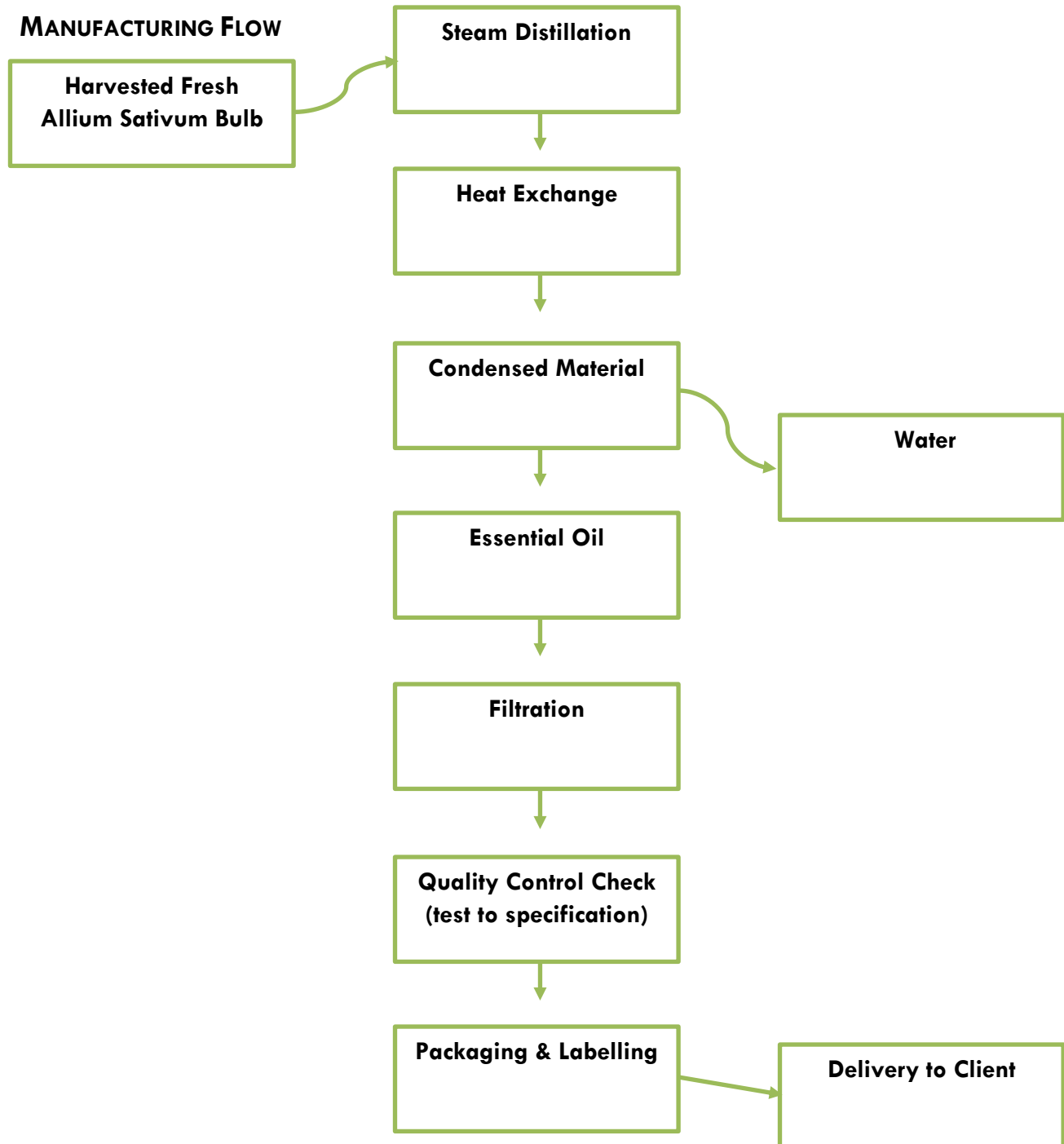
PRODUCT NAME: **GARLIC, ESSENTIAL OIL**

PRODUCT CODE: 9508444821225

INCI STATEMENT

Youwish can hereby confirm the following composition breakdown & manufacturing process flow.

INCI Name	% Inclusion	CAS Number
Allium Sativum Bulb Oil	100	8000-78-0



SPECIFICATION SHEET

PRODUCT NAME: GARLIC, ESSENTIAL OIL

PRODUCT CODE: 9508444821 225

CAS NUMBER: 8000-78-0

EINECS NUMBER: 283-406-2

SHELF LIFE / BEST BEFORE: 36 MONTHS

ANALYTICAL DETAILS	RANGE
APPEARANCE	LIQUID
COLOUR	YELLOW – ORANGE - RED
ODOUR	CHARACTERISTIC, GARLIC
SPECIFIC GRAVITY @ 20°C	1.070 – 1.110
REFRACTIVE INDEX @ 20°C	1.550 – 1.580

STORAGE CONDITIONS

STORE IN A COOL DRY PLACE AWAY FROM HEAT & SUNLIGHT

DATE	ISSUED BY	VERSION	REASON FOR UPDATE
16/05/2024	M.R-L	2.0	Changes in Shelf life, SPECIFIC GRAVITY @ 20°C

IFRA STATEMENT

PRODUCT NAME: **GARLIC, ESSENTIAL OIL**

PRODUCT INCI: ALLIUM SATIVUM BULB OIL

PRODUCT CODE: 9508444821 225

Youwish CERTIFY THAT THE ABOVE-MENTIONED MATERIAL CONFORMS TO THE IFRA 50 CODE OF PRACTICE AND CONTAINS THE FOLLOWING RESTRICTED COMPONENTS THAT ARE LISTED IN THE 50TH AMENDMENT OF THE IFRA CODE OF PRACTICE:

IFRA Category	% Maximum Use Level
IFRA Category 1	Not Restricted
IFRA Category 2	Not Restricted
IFRA Category 3 A, B, C, D	Not Restricted
IFRA Category 4 A, B, C, D	Not Restricted
IFRA Category 5	Not Restricted
IFRA Category 6	Not Restricted
IFRA Category 7A, B	Not Restricted
IFRA Category 7B	Not Restricted
IFRA Category 8 A, B	Not Restricted
IFRA Category 9 A, B, C	Not Restricted
IFRA Category 10 A, B	Not Restricted
IFRA Category 11	Not Restricted
IFRA Category 12	Not Restricted

Category 1	Lip Products of all types (solid and liquid lipsticks, balms, clear or coloured, etc.). Children's toys.	Yes	Applicable (leave-on products)
Category 2	Deodorant and antiperspirant products of all types including any product with intended or reasonably foreseeable	No	Applicable

	use on the axillae or labelled as such (spray, stick, roll-on, under-arm, deo-cologne, etc.). Body sprays (including body mist)		(leave-on products)
Category 3	Eye products of all types (eye shadow, mascara, eyeliner, eye make-up, eye masks, eye pillows, etc.) including eye care and moisturizer Facial make up and foundation. Make-up remover for face and eyes. Nose pore strips. Wipes or refreshing tissues for face, neck, hands, body. Body and face paint (for children and adults). Facial masks for face and around the eyes	No	Applicable (leave-on products)
Category 4	Hydro alcoholic and non-hydro alcoholic fine fragrance of all types (Eau de Toilette, Parfum, Cologne, solid perfume, fragancing 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 hydro alcoholic products	No	Applicable (leave-on products)
Category 5A	Body creams, oils, lotions of all types. Foot care products (creams and powders). Insect repellent (intended to be applied to the skin). All powders and talc (excluding baby powders and talc).	No	Applicable (leave-on products)
Category 5B	Facial toner. Facial moisturizers and creams	No	Applicable (leave-on products)
Category 5C	(women facial creams) Hand cream. Nail care products including cuticle creams, etc. Hand sanitizers	No	Applicable (leave-on products)
Category 5D	Baby cream/lotion, baby oil, baby powders and talc.	No	Applicable (leave-on products)
Category 6	Toothpaste. Mouthwash, including breath sprays. Toothpowder, strips, mouthwash tablets	Yes	Applicable (leave-on products)
Category 7A	Hair permanent or other hair chemical treatments (rinse-off) (e.g. relaxers), including rinse-off hair dyes	No	Applicable (leave-on products)
Category 7B	Hair sprays of all types (pumps, aerosol sprays, etc.). Hair styling aids non-sprays (mousse, gels, leave-on conditioners). Hair permanent or other hair chemical treatments (leave-on) (e.g. relaxers), including leave-on hair dyes. Shampoo - Dry (waterless shampoo). Hair deodorizer	No	Applicable (leave-on products)
Category 8	Intimate wipes. Tampons. Baby wipes. Toilet paper (wet).	No	Applicable (leave-on products)
Category 9	Bar soap. Shampoo of all type. Cleanser for face (rinse-off). Conditioner (rinse-off). Liquid soap. Body washes and shower gels of all types. Baby wash, bath, shampoo. Bath gels, foams, mousses, salts, oils and other products added to bathwater. Foot care products (feet are placed in a bath for soaking). Shaving creams of all types (stick, gels, foams, etc.). All depilatories (including facial) and waxes for mechanical hair removal. Shampoos for pets	NO	Applicable (rinse-off products)
Category 10A	Hand wash laundry detergent (including concentrates). Laundry pre-treatment 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 sprays and wipes, leather cleaning wipes, stain removers, fabric enhancing sprays, treatment products for textiles (e.g. starch sprays, fabric treated with fragrances after wash, deodorizers for textiles or fabrics). Floor wax. Fragranced oil for lamp ring, reed diffusers, pot-pourri, liquid refills for air fresheners (non-cartridge systems), etc. Ironing water (Odorized distilled water).	NO	Applicable (rinse-off products)
Category 10B	Animal sprays – sprays applied to animals of all types. Air freshener sprays, manual, including aerosol and pump. Aerosol/spray insecticides	NO	Applicable (rinse-off products)
Category 11A	Feminine hygiene conventional pads, liners, interlabial pads. Diapers (baby and adult). Adult incontinence pant, pad. Toilet paper (dry).	NO	Not applicable (leave-on products without UV exposure)
Category 11B	Tights with moisturizers. Scented socks, gloves. Facial tissues (dry tissues). Napkins. Paper towels. Wheat bags. Facial masks (paper/protective) e.g. surgical masks not used as medical device. Fertilizers, solid (pellet or powder).	NO	Applicable (leave-on products)
Category 12	Candles of all types (including encased). Laundry detergents for machine wash with minimal skin contact (e.g. Liquid tabs, pods). Automated air fresheners and fragancing of all types (concentrated aerosol with metered doses (range 0.05-0.5mL/spray), plug-ins, closed systems, solid substrate, membrane delivery, electrical, powders, fragancing sachets, incense, liquid refills (cartridge), air freshening crystals). Air delivery systems. Cat litter. Cell phone cases. Deodorizers/maskers not intended for skin contact (e.g. fabric drying machine deodorizers, carpet powders). Fuels. Insecticides (e.g. mosquito coil, paper, electrical, for clothing) excluding aerosols/sprays. Joss sticks or incense sticks. Dish wash detergent and deodorizers – for machine wash. Olfactive board games. Paints. Plastic articles (excluding toys). Scratch and sniff. Scent pack. Scent delivery system (using dry air technology). Shoe polishes. Rim blocks (Toilet).	NO	Not applicable (non-skin contact products)

ALLERGEN STATEMENT

PRODUCT NAME: **GARLIC, ESSENTIAL OIL**

PRODUCT CODE: 9508444821225

COSMETIC ALLERGENS

No Allergens.

Annex IIIa Reference:		CAS NUMBER:	TOTAL ALLERGEN INCLUSION (%):
67	AMYL CINNAMAL	122-40-7	0.000
68	BENZYL ALCOHOL	100-51-6	0.000
69	CINNAMYL ALCOHOL	104-54-1	0.000
70	CITRAL	5392-40-5	0.000
71	EUGENOL	97-53-0	0.000
72	HYDROXY-CITRONELLAL	107-75-5	0.000
73	ISO EUGENOL	97-54-1	0.000
74	AMYL CINNAMYL ALCOHOL	101-85-9	0.000
75	BENZYL SALICYLATE	118-58-1	0.000
76	CINNAMAL	104-55-2	0.000
77	COUMARIN	91-64-5	0.000
78	GERANIOL	106-24-1	0.000
79	HYDROXYISOHEXYL 3-CYCLOHEXENE CARBOXALDEHYDE	31906-04-4	0.000
80	ANISE ALCOHOL	105-13-5	0.000
81	BENZYL CINNAMATE	103-41-3	0.000
82	FARNESOL	4602-84-0	0.000
83	BUTYLPHENYL METHYLPROPIONAL	80-54-6	0.000
84	LINALOOL	78-70-6	0.000
85	BENZYL BENZOATE	120-51-4	0.000
86	CITRONELLOL	106-22-9	0.000
87	HEXYL CINNAM-ALDEHYDE	101-86-0	0.000
88	LIMONENE	5989-27-5	0.000
89	METHYL 2-OCTYNOATE	111-12-6	0.000
90	ALPHA-ISOMETHYL IONONE	127-51-5	0.000
91	EVERNIA PRUNASTRI EXTRACT	90028-68-5	0.000
92	EVERNIA FURFURACEA EXTRACT	90028-67-4	0.000

FOOD ALLERGENS

Annex IIIa Reference:		PRESENT IN PRODUCT:	CONTAMINATION PRESENCE:	FACTORY PRESENCE:
1	CEREALS (<i>CONTAINING GLUTEN</i>)	NO	NO	YES
2	CRUSTACEANS	NO	NO	NO
3	EGGS	NO	NO	NO
4	FISH	NO	NO	NO
5	PEANUTS	NO	NO	YES
6	SOYA	NO	NO	YES
7	MILK	NO	NO	YES
8	NUTS	NO	NO	YES
9	CELERY & CELERIAC	NO	NO	YES
10	MUSTARD	NO	NO	YES
11	SESAME	NO	NO	YES
12	SULPHUR DIOXIDE & SULPHITES	NO	NO	NO
13	LUPIN	NO	NO	NO
14	MOLLUSC	NO	NO	NO

Material Safety Data Sheet

EU Regulation: 2020/878

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 PRODUCT IDENTIFICATION

PRODUCT NAME	GARLIC, ESSENTIAL OIL
SYNONYMS & TRADE NAMES	-
INTERNAL PRODUCT CODE	9508444821225

1.2 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

COMPANY ADDRESS	Youwish Transistorstraat 91-021, 322CL, Almere, The Netherlands
EMAIL	contact@youwish.nl

1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

EMERGENCY CONTACTS	+31 36 2036384
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SECTION 2: HAZARDS IDENTIFICATION

2.1

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

THE FULL TEXT FOR ALL HAZARD STATEMENTS IS DISPLAYED IN SECTION 16.

CLASSIFICATION (67/548/EEC)

NO ADDITIONAL DATA AVAILABLE.

CLASSIFICATION (EU1272/2008)

ACUTE TOXICITY - ORAL	CATEGORY 4 - (H302)
SKIN CORROSION/IRRITATION	CATEGORY 2 - (H315)
SERIOUS EYE DAMAGE/EYE IRRITATION	CATEGORY 2 - (H319)
SKIN SENSITIZATION	CATEGORY 1 - (H317)
FLAMMABLE LIQUIDS	CATEGORY 3 - (H226)

2.2

LABEL ELEMENTS

LABEL IN ACCORDANCE WITH REGULATION (EC) NO 1272/2008.

GHS LABEL



GHS07



GHS02

SIGNAL WORD

WARNING.

CONTAINS

DIALLYL DISULFIDE, DIALLYL TRISULFIDE

HAZARDS STATEMENT

H226 - FLAMMABLE LIQUID AND VAPOUR.
H302 - HARMFUL IF SWALLOWED.
H315 - CAUSES SKIN IRRITATION.
H317 - MAY CAUSE AN ALLERGIC SKIN REACTION.
H319 - CAUSES SERIOUS EYE IRRITATION.

PRECAUTIONARY STATEMENTS

P210 - KEEP AWAY FROM HEAT/SPARKS/OPEN FLAMES/HOT SURFACES. - NO SMOKING
P280 - WEAR PROTECTIVE GLOVES/PROTECTIVE CLOTHING/EYE PROTECTION/FACE PROTECTION
P301 + P310 - IF SWALLOWED: IMMEDIATELY CALL A POISON CENTER OR DOCTOR/PHYSICIAN
P331 - DO NOT INDUCE VOMITING
P302 + P352 - IF ON SKIN: WASH WITH PLENTY OF SOAP AND WATER
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

SUPPLEMENTARY PRECAUTIONARY STATEMENTS

P264 -WASH HANDS AND EXPOSED SKIN THOROUGHLY AFTER HANDLING.

SECTION 16 (OTHER INFORMATION): RISK & SAFETY PHRASES IN FULL.

2.3

OTHER HAZARDS

ADVERSE PHYSIO-CHEMICAL PROPERTIES

NO DATA.

ADVERSE EFFECTS ON HUMAN HEALTH

MAY BE HARMFUL IN CONTACT WITH SKIN.

PBT OR VPVB ACCORDING TO ANNEX

NO DATA.

XIII

SECTION 3: COMPOSITION OF INGREDIENTS	
3.1 MIXTURES	<p>30% DIALLYL DISULFIDE CAS. NO: 2179-57-9 EC NO: 218-548-6 CLASSIFICATION (EC 1272/2008): SKIN SENS. 1 (H317) (EPPA) EYE IRRIT. 1 (H319) (EPPA) SKIN IRRIT. 2 (315) (EPPA) ACUTE TOX. 3 (H301) (EPPA) ACUTE TOX. 5 (H313)(EPPA) FLAM. LIQ. 3, (H226)(EPPA) SKIN SENS. 1 (H317) EYE IRRIT. 1 (H319) SKIN IRRIT. 2 (H315) ACUTE TOX. 3 (H301) ACUTE TOX. 5 (H313)</p> <p>15% DIALLYL TRISULFIDE CAS. NO:2050-87-5, EC NO. 218-107-8 CLASSIFICATION (EC 1272/2008): ACUTE TOX. 4 (H302) (EPPA) FLAM. LIQ. 4 (H227)(EPPA) ACUTE TOX. 4 (H302)</p> <p>5.0% DIALLYL SULFIDE CAS. NO: 592-88-1, EC NO. 209-775-1 CLASSIFICATION (EC 1272/2008): SKIN IRRIT. 3 (316) (EPPA) ACUTE TOX. 5 (H303)(EPPA) FLAM. LIQ. 3 (H226)(EPPA) SKIN IRRIT. 3 (H316) ACUTE TOX. 5 (H303)</p>
3.2 SUBSTANCES	NOT APPLICABLE.

SECTION 4: FIRST AID MEASURES	
4.1 DESCRIPTION OF FIRST AID MEASURES	
GENERAL INFORMATION	ALWAYS REMOVE CONTAMINATED CLOTHING IMMEDIATELY.
INHALATION	GET MEDICAL ATTENTION IMMEDIATELY. REMOVE FROM EXPOSURE SITE TO FRESH AIR, KEEP AT REST, AND OBTAIN MEDICAL ATTENTION.
INGESTION	GET MEDICAL ATTENTION IMMEDIATELY. IMMEDIATELY CALL THE DOCTOR. RINSE MOUTH WITH WATER AND OBTAIN MEDICAL ATTENTION.
SKIN CONTACT	REMOVE CONTAMINATED CLOTHES. WASH THOROUGHLY WITH SOAP AND WATER. CONTACT PHYSICIAN IF IRRITATION PERSISTS.
EYE CONTACT	FLUSH IMMEDIATELY WITH WATER FOR AT LEAST 15 MINUTES. CONTACT PHYSICIAN IF SYMPTOMS PERSIST.
4.2 MOST IMPORTANT SYMPTOMS & EFFECTS (ACUTE & DELAYED)	<p>SYMPTOMS</p> <p>CONTACT: MAY CAUSE AN ALLERGIC REACTION</p>
4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION OR SPECIAL TREATMENT REQUIRED	TREAT SYMPTOMATICALLY.

SECTION 5: FIRE FIGHTING MEASURES

5.1 EXTINGUISHING MATERIAL	FOAM, CO2, DRY CHEMICAL POWDER.
5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE	BURNING PRODUCES IRRITATING, TOXIC AND OBNOXIOUS FUMES
5.3 ADVICE FOR FIRE-FIGHTERS	SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS: WEAR POSITIVE-PRESSURE SELF-CONTAINED BREATHING APPARATUS (SCBA) AND APPROPRIATE PROTECTIVE CLOTHING.

SECTION 6: ACCIDENTAL RELEASE MEASURES


6.1 PERSONAL PRECAUTIONS	ENSURE ADEQUATE VENTILATION OF THE WORKING AREA, EVACUATE PERSONNEL TO SAFE AREA, WEAR SUITABLE PROTECTIVE EQUIPMENT. NO SMOKING, SPARKS, FLAMES OR OTHER SOURCES OF IGNITION NEAR SPILLAGE. AVOID CONTACT WITH SKIN, EYES AND CLOTHING. AVOID INHALATION.
6.2 ENVIRONMENTAL PRECAUTIONS	DO NOT DISCHARGE INTO DRAINS, WATER COURSES OR ONTO THE GROUND. DISPOSE OF IN LINE WITH LOCAL AUTHORITY GUIDELINES.
6.3 METHODS & MATERIAL FOR CONTAINMENT AND CLEANING UP	REMOVE IGNITION SOURCES. PROVIDE ADEQUATE VENTILATION. AVOID EXCESSIVE INHALATION OF VAPOURS. CONTAIN SPILLAGE IMMEDIATELY BY USE OF SAND OR INERT POWDER. DISPOSE OF ACCORDING TO LOCAL REGULATIONS. COVER WITH AN INERT, INORGANIC, NON-COMBUSTIBLE ABSORBENT MATERIAL (E.G DRY-LIME, SAND, SODA ASH).
6.4 REFERENCES TO OTHER SECTIONS	REFER & CONSIDER SECTION 12.

SECTION 7: HANDLING & STORAGE

7.1 PRECAUTIONS FOR SAFE-HANDLING	HANDLE IN ACCORDANCE WITH GOOD HYGIENE AND SAFETY PRACTICE. KEEP AWAY FROM HEAT, SPARKS, OPEN FLAMES AND HOT SURFACES. - NO SMOKING. USE PERSONAL PROTECTIVE EQUIPMENT AS REQUIRED. USE IN ACCORDANCE WITH GOOD MANUFACTURING AND INDUSTRIAL HYGIENE PRACTICES. USE IN AREAS WITH ADEQUATE VENTILATION DO NOT EAT, DRINK OR SMOKE WHEN USING THIS PRODUCT.
7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES	STORAGE CLASS: FLAMMABLE LIQUID STORAGE. STORE ONLY IN THE ORIGINAL RECEPTACLE. KEEP CONTAINER TIGHTLY SEALED. KEEP IN COOL, DRY, VENTILATED STORAGE AND CLOSED CONTAINERS. KEEP AWAY FROM HEAT.
7.3 SPECIFIC END USE(S)	<i>RISK MANAGEMENT METHODS (RMM)</i> <i>THE INFORMATION REQUIRED IS CONTAINED IN THIS MATERIAL SAFETY DATA</i>

SECTION 8: EXPOSURE CONTROLS & PERSONAL PROTECTION

8.1 CONTROL PARAMETERS	DERIVED NO EFFECT LEVEL (DNEL) PREDICTED NO EFFECT CONCENTRATION (PNEC)	NO INFORMATION AVAILABLE. NO INFORMATION AVAILABLE.
8.2 EXPOSURE CONTROLS		

	
EYE PROTECTION	WEAR PROTECTIVE GLOVES/EYE PROTECTION/FACE PROTECTION. AVOID CONTACT WITH EYES. WEAR APPROVED SAFETY GOGGLES. (EN166)
HAND PROTECTION	AVOID CONTACT WITH SKIN. WASH HANDS BEFORE BREAKS AND AT END OF WORK. WEAR PROTECTIVE GLOVES. DIN/EN 374. THE GLOVE MATERIAL HAS TO BE IMPERMEABLE AND RESISTANT TO THE PRODUCT/ THE SUBSTANCE/ THE PREPARATION. PENETRATION TIME OF GLOVE MATERIAL: THE EXACT BREAK THROUGH TIME HAS TO BE FOUND OUT BY THE MANUFACTURER OF THE PROTECTIVE GLOVES AND HAS TO BE OBSERVED.
RESPIRATORY EQUIPMENT	DO NOT INHALE GASES / FUMES / AEROSOLS. CERTIFIED RESPIRATORY PROTECTIVE DEVICE RECOMMENDED.
HYGIENE MEASURES	GOOD PERSONAL HYGIENE PRACTICES ARE ALWAYS ADVISABLE, ESPECIALLY WHEN WORKING WITH CHEMICALS / OILS.
ENGINEERING MEASURES	NONE.
SKIN PROTECTION	WEAR PROTECTIVE CLOTHING TO REDUCE THE RISK OF SKIN AND EYE CONTACT.
PERSONAL PROTECTION	AVOID INHALATION OF THE PRODUCT. AVOID CONTACT WITH SKIN AND EYES. AVOID CONTACT WITH SKIN AND EYES. USE PERSONAL PROTECTION ACCORDING TO DIRECTIVE 89/686/EEC.
OTHER PROTECTION	WEAR SUITABLE PROTECTION TO AVOID CONTACT WITH SKIN AND EYES. DO NOT INHALE VAPOURS.
PROCESS CONDITIONS	ENSURE AREA IS WELL VENTILATED. AVOID VAPOUR INHALATION. SAFETY SHOWER & EYE BATH.
ENVIROMENTAL EXPOSURE CONTROLS	AVOID DISCHARGING INTO DRAINAGE WATER.

SECTION 9: PHYSICAL & CHEMICAL PROPERTIES

9.1 PHYSICAL & CHEMICAL PROPERTIES	
APPEARANCE	LIQUID
COLOUR	PALE - YELLOW
ODOUR	CHARACTERISTIC
RELATIVE DENSITY @ 20°C	APPROX 1.075 @ 20DEGC
FLASH POINT (°C)	30 °C.
REFRACTIVE INDEX @ 20 °C	APPROX 1.565
SOLUBILITY IN WATER @ 20 °C	INSOLUBLE. SOLUBLE IN OIL. INSOLUBLE IN GLYCERINE.
9.2 OTHER INFORMATION	
9.2.1 INFORMATION WITH REGARD TO PHYSICAL HAZARD CLASSES	NO DATA.
9.2.2 OTHER SAFETY CHARACTERISTICS	NO DATA.

SECTION 10: STABILITY & REACTIVITY


10.1 REACTIVITY	NOT APPLICABLE.
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10.2 CHEMICAL STABILITY	STABLE UNDER SUGGESTED STORAGE CONDITIONS (<15°C).
10.3 POSSIBILITY OF HAZARDOUS REACTIONS	NONE UNDER NORMAL PROCESSING.
10.4 CONDITIONS TO AVOID	STORAGE AT HIGH TEMPERATURES. DO NOT STORE ABOVE 15°C. AVOID HEAT, FLAMES AND OTHER SOURCES OF IGNITION.
10.5 INCOMPATIBLE MATERIALS	AVOID 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 & CARBON MONOXIDE.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 TOXICOLOGICAL EFFECTS													
ACUTE TOXICITY	<p>THE FOLLOWING VALUES ARE CALCULATED BASED ON CHAPTER 3.1 OF THE GHS DOCUMENT</p> <p>ATEMIX (ORAL) 349.00</p> <p>ATEMIX (DERMAL) 2,777.00</p> <p><u>UNKNOWN ACUTE TOXICITY</u></p> <p>100 % OF THE MIXTURE CONSISTS OF INGREDIENT(S) OF UNKNOWN TOXICITY.</p> <p>35.3 % OF THE MIXTURE CONSISTS OF INGREDIENT(S) OF UNKNOWN ACUTE ORAL TOXICITY.</p> <p>51.3 % OF THE MIXTURE CONSISTS OF INGREDIENT(S) OF UNKNOWN ACUTE DERMAL TOXICITY.</p> <p>100 % OF THE MIXTURE CONSISTS OF INGREDIENT(S) OF UNKNOWN ACUTE INHALATION TOXICITY (GAS).</p> <p>100 % OF THE MIXTURE CONSISTS OF INGREDIENT(S) OF UNKNOWN ACUTE INHALATION TOXICITY (VAPOUR).</p> <p>100 % OF THE MIXTURE CONSISTS OF INGREDIENT(S) OF UNKNOWN ACUTE INHALATION TOXICITY (DUST/MIST).</p> <table><tr><td>CHEMICAL</td><td>ORAL LD50</td><td>DERMAL LD50</td><td>INHALATION LC50</td></tr><tr><td>DIALLYL DISULFIDE</td><td>= 260 MG/KG (RAT)</td><td>= 3600 MG/KG (RABBIT)</td><td>= 1826 MG/KG (RAT)</td></tr><tr><td>DIALLYL SULFIDE</td><td>= 2980 MG/KG (RAT)</td><td>> 5 G/KG (RABBIT)</td><td></td></tr></table>	CHEMICAL	ORAL LD50	DERMAL LD50	INHALATION LC50	DIALLYL DISULFIDE	= 260 MG/KG (RAT)	= 3600 MG/KG (RABBIT)	= 1826 MG/KG (RAT)	DIALLYL SULFIDE	= 2980 MG/KG (RAT)	> 5 G/KG (RABBIT)	
CHEMICAL	ORAL LD50	DERMAL LD50	INHALATION LC50										
DIALLYL DISULFIDE	= 260 MG/KG (RAT)	= 3600 MG/KG (RABBIT)	= 1826 MG/KG (RAT)										
DIALLYL SULFIDE	= 2980 MG/KG (RAT)	> 5 G/KG (RABBIT)											
SKIN IRRITATION	Causes skin irritation.												
EYE DAMAGE OR IRRITATION	Causes serious eye irritation.												
RESPIRATORY OR SKIN SENSITIVITY	May cause an allergic skin reaction.												
GERM CELL MUTAGENICITY	NO DATA.												
CARCINOGENICITY	NO DATA.												
REPRODUCTIVE TOXICITY	NO DATA.												
STOT – SINGLE EXPOSURE	NO DATA.												
STOT – REPEATED EXPOSURE	NO DATA.												
ASPIRATION HAZARD	NO DATA.												

11.2 INFORMATION ON OTHER HAZARDS	NO DATA.
SECTION 12: ECOLOGICAL INFORMATION	
12.1 TOXICITY	NOT CLASSIFIED
12.2 PERSISTENCE & DEGRADABILITY	NO DATA.
12.3 BIO- ACCUMULATIVE POTENTIAL	NO DATA
12.4 MOBILITY IN SOIL	NO DATA
12.5 RESULTS OF PBT & VPVB ASSESSMENT	NO DATA.
12.6 ENDOCRINE DISRUPTING PROPERTIES	NO DATA.
12.7 OTHER ADVERSE EFFECTS	NO DATA.
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	
UN NUMBER	ROAD: UN 1197 SEA: UN 1197 AIR: UN 1197
14.2 UN SHIPPING NAME	EXTRACTS, FLAVORING, LIQUID
14.3 TRANSPORT HAZARD CLASS(ES)	ADR/RID/ADN CLASS: 3 IMDG CLASS: 3 ICAO CLASS/DIVISION: 3 TRANSPORT LABELS 
14.4	ADR/RID/ADN PACKING GROUP III

PACKING GROUP	IMDG PACKING GROUP III ICAO PACKING GROUP III
14.5 ENVIRONMENTAL HAZARDS	ENVIRONMENTALLY HAZARDOUS / MARINE POLLUTANT. 
14.6 SPECIAL PRECAUTIONS FOR USER	TUNNEL RESTRICTION CODE ADR: (D/E)
14.7 TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL73/78 & THE IBC CODE.	NONE.
SECTION 15: REGULATORY INFORMATION	
15.1 PRODUCT SPECIFIC SAFETY, HEALTH & ENVIRONMENTAL REGULATIONS & LEGISLATION	
EU DIRECTIVES	REGULATION (EC) No 2020/878 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 1999/45/EC AND REPEALING COUNCIL REGULATION (EEC) No 793/93 & COMMISSION REGULATION (EC) No 1488/94 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/ OR PRECAUTIONARY STATEMENTS IN FULL

H226 - Flammable liquid and vapour.
H301 - Toxic if swallowed.
H302 - Harmful if swallowed
H315 - Causes skin irritation
H317 - May cause an allergic skin reaction
H319 - Causes serious eye irritation

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
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10 TH APRIL 2018	DATA LAUNCH
OCTOBER 2020	REVIEWED
JANUARY 2023	REVIEW

Product Code	9508444821225
Product Name	Garlic, Essential Oil
Alcohol Status	Youwish can confirm that Garlic, Essential Oil is free of Alcohol.
Animal Testing	Youwish can confirm that Garlic, Essential Oil has not been Animal Tested for cosmetic purposes by or on behalf of the company, nor has any of its component parts named in the International Cosmetic Ingredient Dictionary & Handbook (11th Edition), 31st December 1990.
BSE/TSE Status	Youwish can confirm that Garlic, Essential Oil is not derived from Animal Origin, therefore a BSE/TSE statement is not applicable.
Calif Proposition 65	Youwish can confirm to their best of their knowledge that Garlic, Essential Oil does not contain any contaminants or bi-products known to the State of California that may cause cancer or reproductive toxicity as listed under proposition 65 State Drinking Water & Toxic Enforcement Act.
CAS Number	8000-78-0
Chloramphenicol Residue	Youwish can confirm that Garlic, Essential Oil is free from Chloramphenicol residues.
CITES Status	Youwish can confirm that Garlic, Essential Oil is not endangered & therefore not applicable for CITES certification.
Classification, Labelling & Packaging (CLP)	Youwish can confirm that Garlic, Essential Oil complies with Regulation (EC) no 1272/2008; classification, labelling & packaging of substances and mixtures (CLP).
CMR Status	Youwish can confirm that Garlic, Essential Oil is not classified as carcinogenic, mutagenic or toxic according to regulation 1272/2008.
Cosmetic Status	Youwish can confirm that Garlic, Essential Oil is suitable for cosmetic application. It is not included in the list of substances prohibited in cosmetic products. Neither does it contain parabens, restricted preservatives, colorants or UV filters (Annex II - VI of EU Regulation 1223/2009).
Customs Tariff Code	3301 29 41 00 0
EINCS Number	283-406-2
Ethylene Oxide Status	Youwish can confirm that Ethylene Oxide is not being used in production process of Garlic, Essential Oil.
Food Status	Youwish can confirm that Garlic, Essential Oil is suitable for food application, only when the appropriate quantity/dilution is used. This material complies with European Food Regulations (i.e. 2023/915). Please note, if you intend on using this product as a food ingredient we insist you email our Technical Team before doing so for our opinion on the dilution applied to your finished product.
Functionality	Antimicrobial, Warming
Gluten Free	Youwish can confirm that Garlic, Essential Oil is not derived from, neither does it contain any Gluten ingredients.
Gluten Free Statement	Youwish can confirm that Garlic, Essential Oil is not derived from, neither does it contain any Gluten ingredients.
GMO (IP) Status	Youwish can confirm that Garlic, Essential Oil is not derived/produced from a raw material that has been genetically modified.
HACCP & GMP Statement	Youwish can confirm that Garlic, Essential Oil has been produced under Good Manufacturing Practices (GMP) and a HACCP system. Youwish is BRC certified.
Hair Benefits	Garlic Essential Oil can be beneficial for hair care. Its purifying and conditioning properties help promote a healthy scalp and hair. Additionally, the potent and pungent aroma of Garlic Essential Oil provides a distinct and aromatic touch to hair care formulations. It can be incorporated into shampoos, hair masks, and scalp treatments to cleanse, condition, and invigorate the hair and scalp.
Halal	Youwish can confirm this product is not Halal certified, however it does not contain any animal derived product or ingredient, hence it is HALAL applicable.
INCI Listing	Allium Sativum Bulb Oil

Irradiation Status	Youwish can confirm that Garlic, Essential Oil has not been irradiated at any stage of production.
Karanal Status	Youwish can confirm that Garlic, Essential Oil is free from Karanal.
Key Essential Fatty Acid Compounds	
Kosher	Youwish can confirm that Garlic, Essential Oil is not Kosher Certified.
Leaping Bunny	Youwish can confirm that Garlic, Essential Oil complies with the criteria of the Humane Cosmetics Standard, has not been tested or re-tested on animals for cosmetic purposes by or on behalf of Youwish.
Manufacturing Method	Steam Distilled
Methyk Salicylate Status	
Microbiological & PAH Status & Heavy Metals & Pesticides	Youwish can confirm that Garlic, Essential Oil does not have a micro specification because the product was sterilized in the production process. We can confirm that there is no detectable amounts of pesticides. It is produced from natural raw material and complies within the limits of the oil-related requirements of European Regulation 2023/915 regarding heavy metals, dioxins, dioxin-like PCBs, Benzo-a-pyrene & PAH.
Mycotoxins Status	Youwish can confirm that Garlic, Essential Oil is compliant with the requirements of the Regulation (EC) N°2023/915. We can confirm this product is free from: Aflatoxins, Ergot alkaloids, Patulin, Alternaria toxins, Ochratoxin A, Fusarium toxins.
Nagoya Protocol	
Nanomaterials Status	Youwish can confirm with reference to Garlic, Essential Oil that no Nanomaterials were added at any stage of the manufacturing/production process, in accordance with EU Cosmetics Regulation.
Organic	Not applicable to this grade of product. Organic versions are available on request, please see our Organic category.
Origin Statement	Youwish can confirm that Garlic, Essential Oil Origin is Mexico.
Palm Status	Youwish can confirm that palm oil has not been used in the process of manufacturing Garlic, Essential Oil.
Parabens Status	Youwish can confirm that Garlic, Essential Oil is free from Parabens.
Product Page Intro	Experience the remarkable potency of Garlic, Essential Oil, renowned for its robust, garlic-scented essence. With roots tracing back to ancient medicinal practices, this essential oil has earned recognition for its formidable antibacterial, antiviral, and antifungal attributes. Extracted meticulously from the robust cloves of the Garlic plant, indigenous to the heart of Central Asia, it carries a rich heritage of therapeutic uses. Not only does it offer immune-boosting benefits, but its distinct aroma also makes it an aromatic delight. Whether diffused to purify the air or used topically for its various health advantages, Garlic Essential Oil is a versatile addition to any natural wellness arsenal, adding a fragrant twist to formulations. Try Garlic, Essential Oil in your formulations today and request a quote or order a sample now.
Product Status	Natural.
Pyrrolizidine Alkaloids Status	Youwish can confirm that Garlic, Essential Oil is free from any Pyrrolizidine Alkaloids.
REACH Status	Exempt 1T Per annum.
Residual Solvents	Youwish can confirm that no solvents or preservatives we used in the production of Garlic, Essential Oil
Skin Benefits	Garlic Essential Oil offers a potent and pungent aroma. It has a pale yellow color and is commonly used in perfumes, aromatherapy, massage oils, bath products, and hair care products. Garlic Essential Oil provides purifying and conditioning benefits. It is known for its aromatic properties and can add a distinctive scent to formulations. The oil is derived from garlic and contains various components, including limonene and allicin, which contribute to its unique aroma. Garlic Essential Oil can be incorporated into various personal care formulations to harness its beneficial properties and aromatic profile.

SVHC (Substances of Very High Concern) & Impurities Status	Youwish can confirm that Garlic, Essential Oil is free from of SVHC and any impurities.
Vegan	Youwish can confirm that Garlic, Essential Oil is suitable for Vegans.