



CERTIFICATE OF ANALYSIS

PRODUCT NAME: SAGE DALMATION, ESSENTIAL OIL

BATCH NUMBER: 4369206

PRODUCT INCI: SALVIA OFFICINALIS OIL

PRODUCT CODE: OESAGEDALM

CAS NUMBER: 8016-64-6

EINECS NUMBER: 282-025-9

MANUFACTURING METHOD: STEAM DISTILLED

BEST BEFORE END: AUGUST 2022

| ANALYTICAL DETAILS | RANGE | RESULTS |
|-------------------------|------------------------------------|---------|
| APPEARANCE | LIQUID | - |
| COLOUR | COLOURLESS – PALE YELLOW | - |
| ODOUR | CHARACTERISTIC, CAMPHORATED, SPICY | - |
| SPECIFIC GRAVITY @ 20°C | 0.910 – 0.930 | 0.921 |
| REFRACTIVE INDEX @ 20°C | 1.458 – 1.474 | 1.465 |
| OPTICAL ROTATION (°C) | +2.0 TO +30.0 | +3.16 |

STORAGE CONDITIONS

STORE IN A COOL DRY PLACE AWAY FROM HEAT & SUNLIGHT



Allergen Declaration:

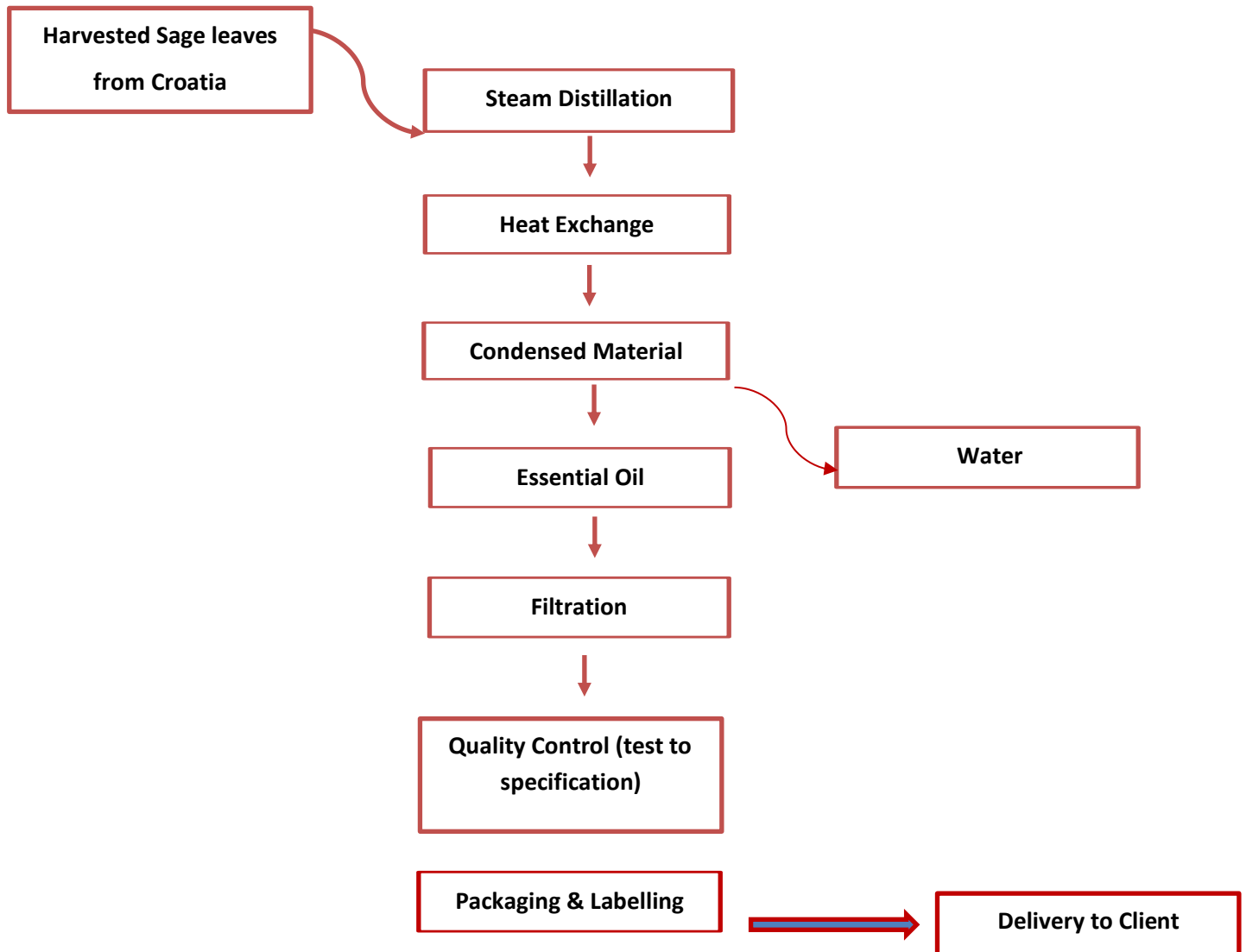
| | | | | |
|--|---|-------------------------------|--------------------------------------|--------------------------|
| PRODUCT NAME: | | Sage Dalmation, Essential Oil | | |
| INCI: | | Salvia Officinalis | | |
| COSMETIC ALLERGENS | | | | |
| <small>The Following is from the 7th amendment of the cosmetic directive of the European Union Annex III.</small> | | | | |
| Annex IIIa Reference: | | CAS NUMBER: | TOTAL ALLERGEN INCLUSION (%): | |
| 67 | AMYL CINNAMAL | 122-40-7 | 0.00 | |
| 68 | BENZYL ALCOHOL | 100-51-6 | 0.00 | |
| 69 | CINNAMYL ALCOHOL | 104-54-1 | 0.00 | |
| 70 | CITRAL | 5392-40-5 | 0.00 | |
| 71 | EUGENOL | 97-53-0 | 0.00 | |
| 72 | HYDROXY-CITRONELLAL | 107-75-5 | 0.00 | |
| 73 | ISOEUGENOL | 97-54-1 | 0.00 | |
| 74 | AMYL CIN-NAMYL ALCOHOL | 101-85-9 | 0.00 | |
| 75 | BENZYL SALICYLATE | 118-58-1 | 0.00 | |
| 76 | CINNAMAL | 104-55-2 | 0.00 | |
| 77 | COUMARIN | 91-64-5 | 0.00 | |
| 78 | GERANIOL | 106-24-1 | 0.40 | |
| 79 | HYDROXY- METHYLPENTYL CYCLOHEXENECARBOXALDEHYDE | 31906-04-4 | 0.00 | |
| 80 | ANISE ALCOHOL | 105-13-5 | 0.00 | |
| 81 | BENZYL CINNAMATE | 103-41-3 | 0.00 | |
| 82 | FARNESOL | 4602-84-0 | 0.00 | |
| 83 | BUTYLPHENYL METHYLPROPIONAL | 80-54-6 | 0.00 | |
| 84 | LINALOOL | 78-70-6 | 9.00 | |
| 85 | BENZYL BENZOATE | 120-51-4 | 0.00 | |
| 86 | CITRONELLOL | 106-22-9 | 0.00 | |
| 87 | HEXYL CINNAM-ALDEHYDE | 101-86-0 | 0.00 | |
| 88 | LIMONENE | 5989-27-5 | 5.00 | |
| 89 | METHYL HEPTIN CARBONATE | 111-12-6 | 0.00 | |
| 90 | ALPHA-ISOMETHYL IONONE | 127-51-5 | 0.00 | |
| 91 | EVERNIA PRUNASTRI EXTRACT | 90028-68-5 | 0.00 | |
| 92 | EVERNIA FURFURACEA EXTRACT | 90028-67-4 | 0.00 | |
| FOOD ALLERGENS | | | | |
| <small>The following is from the commission directive 2007/68/EC of 27th November 2007 amending Annex IIIa to Directive 2002/46/EC of the European Parliament & Council with regards to specific food ingredients.</small> | | | | |
| Annex IIIa Reference: | | PRESENT IN PRODUCT: | CONTAMINATION PRESENCE: | FACTORY PRESENCE: |
| 1 | CEREALS (CONTAINING GLUTEN) | 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 | NO |
| 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 |



Composition Statement & Manufacturing Flow Chart:

Sage Dalmation, Essential Oil

| INCI Name | % Inclusion | CAS Number |
|--------------------|-------------|------------|
| Salvia Officinalis | 100 | 8016-64-6 |



The attached information is considered to be correct at the time the client received this information. Please be aware that detail can change and we encourage clients to update their records with MADAR regularly. The information is not and should not be considered a guarantee or warranty, or a part of our contractual or other legal obligations. The information is not to be disclosed to others, reproduced or transmitted in whole or in part without permission from MADAR.



August 2018

GMO STATEMENT

We hereby state and certify that the Sage Dalmatian, Essential Oil sold by us is not derived/ produced from a raw material that has been genetically modified.



IFRA STATEMENT

PRODUCT NAME: SAGE DALMATION, ESSENTIAL OIL

PRODUCT INCI: SALVIA OFFICINALIS

PRODUCT CODE: K0408

CAS NUMBER: 8016-64-6

EINECS NUMBER: 282-025-9

MANUFACTURING METHOD: STEAM DISTILLED

SHELF LIFE / BEST BEFORE: 24 MONTHS

MADAR CORPORATION CERTIFY THAT THE ABOVE NAMED MATERIAL CONFORMS TO THE IFRA 48 CODE OF PRACTICE AND CONTAINS THE FOLLOWING RESTRICTED COMPONENTS THAT ARE LISTED IN THE 48TH AMENDMENT OF THE IFRA CODE OF PRACTICE:

| Restricted Component | Cas No: | % Level in Product | IFRA Standard |
|------------------------------|-----------|--------------------|-----------------------------|
| Limonene | 5989-27-5 | ≤ 2.0 | Specification Std |
| Linalool | 78-70-6 | ≤ 0.5 | Specification Std |
| Eugenol | 97-53-0 | ≤ 0.02 | Restriction Stds (QRA cat.) |
| Citronellol | 106-22-9 | ≤ 0.01 | Restriction Stds (QRA cat.) |
| Carvone | 99-49-0 | ≤ 0.003 | Restriction Stds (QRA cat.) |
| Methyl Eugenol from naturals | 93-15-2 | ≤ 0.06 | Restriction Stds (non QRA) |

| IFRA Classes | % Maximum Use Level |
|--------------|---------------------|
| Class 1 | 0.667 |
| Class 2 | 0.667 |
| Class 3A | 13.333 |
| Class 3B | 33.333 |
| Class 3C | 0.667 |
| Class 3D | 0.667 |
| Class 4A | 13.333 |
| Class 4B | 33.333 |
| Class 4C | 0.667 |



| | |
|-----------|--------|
| Class 4D | 6.667 |
| Class 5 | 0.667 |
| Class 6 | 1.667 |
| Class 7A | 0.667 |
| Class 7B | 0.667 |
| Class 8A | 0.667 |
| Class 8B | 1.667 |
| Class 9A | 1.667 |
| Class 9B | 16.667 |
| Class 9C | 163667 |
| Class 10A | 16.667 |
| Class 10B | 0.667 |
| Class 11 | 16.667 |

Comments:

Methyl Eugenol

According to Cosmetic Regulation (EC) No 1223/2009 Annex III methyl eugenol is restricted to a maximum concentration in a ready to use preparation as follows

Fine fragrance – 0.01%

Eau de toilette - 0.004%

Fragrance cream - 0.002%

Other leave-on products and oral products - 0.0002%

Rinse-off products - 0.001%

| Finished product types | IFRA class |
|---|------------|
| Toys; Lip Products of all types (solid and liquid lipsticks, balms, clear or colored etc...) | Class 1 |
| 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 3.A |
| Hydroalcoholic products applied to recently shaved skin (fine fragrance range) | Class 3.B |
| Eye Products of all types (eye shadow, mascara, eyeliner, eye make-up, etc...) including eye cream. Men's Facial Creams and Balms | Class 3.C |
| Tampons. | Class 3.D |



| | |
|---|------------|
| Hydroalcoholic Products applied to unshaved skin (EdT range). Ingredients of Perfume Kits. Scent Strips for Hydroalcoholic Products, "scratch and sniff", other paper products not mentioned elsewhere for which skin exposure is only incidental (e.g. spectacle cleaning tissues). | Class 4.A |
| Hydroalcoholic Products applied to unshaved skin (Fine Fragrance range). | Class 4.B |
| Hair Styling Aids and Hair 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 4.C |
| Fragrancing Cream | Class 4.D |
| Women's Facial Creams/Facial Make-up (excluding eye cream); Facial Masks; Hand Cream Wipes or refreshing tissues for Face, Neck, Hands, Body. | Class 5 |
| Mouthwash, Toothpaste. | Class 6 |
| Intimate Wipes; Baby Wipes. | Class 7 A |
| Insect Repellent (intended to be applied to the skin). | Class 7 B |
| 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).Shower Gels of all types; Bath Gels, Foams, Mousses, Salts, Oils and other products added to bathwater | Class 9.A |
| Feminine hygiene pads / liners. | Class 9.B |
| 'Other' Aerosols (including air fresheners sprays but not including deodorant/antiperspirants, hair styling aids spray). | Class 9.C |
| 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 fabric softener sheets. Hand Dishwashing Detergent. Hard Surface Cleaners of all types (bathroom and kitchen cleansers, furniture polish etc...). Shampoos for pets | Class 10.A |
| Diapers. Toilet seat wipes. | Class 10.B |
| 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; Floor wax; Liquid refills for air fresheners (cartridge system) | Class 11.A |
| 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 (non-cartridge systems), etc... Shoe polishes; Cat Litter; Animal Sprays (excluding aerosols); Treated Textiles (e.g. starch sprays, fabric treated with fragrances after wash, deodorizers for textiles or fabrics, tights with moisturizers); Odored Distilled Water (that can be added to steam irons). | Class 11.B |

The attached information is considered to be correct at the time the client received this information. Please be aware that detail can change and we encourage clients to update their records with MADAR regularly. The information is not and should not be considered a guarantee or warranty, or a part of our contractual or other legal obligations. The information is not to be disclosed to others, reproduced or transmitted in whole or in part without permission from MADAR. It is the responsibility of the client to ensure the safety of the final product containing this ingredient. Please carry out additional testing if necessary.







Material Safety Data Sheet

EU Regulation: 1907/2006

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

| | | | | | |
|---|---|---------------|-----------|-------------------|-----------|
| 1.1 PRODUCT IDENTIFICATION | | | | | |
| PRODUCT NAME | SAGE DALMATION, ESSENTIAL OIL | | | | |
| BIOLOGICAL DEFINITION | THE VOLATILE OIL STEAM DISTILLED FROM THE LEAVES OF SALVIA OFFICINALIS L. | | | | |
| INCI NAME | SALVIA OFFICINALIS | | | | |
| SYNONYMS & TRADE NAMES | - | | | | |
| INTERNAL PRODUCT CODE | OESAGEDALM | | | | |
| CAS-No | 8016-64-6 | EC No. | 282-025-9 | EINECS No. | 282-025-9 |
| 1.2 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET | | | | | |
| COMPANY ADDRESS | MADAR Corporation Limited 19-20 Sandleheath Industrial Estate, Fordingbridge, Hampshire, SP6 1PA | | | | |
| EMAIL | sales@madarcorporation.co.uk | | | | |
| 1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET | | | | | |
| EMERGENCY CONTACTS | | | | | |

| 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) | FLAM. LIQ. 3 H226 FLAMMABLE LIQUID AND VAPOUR. STOT SE 2 H371 MAY CAUSE DAMAGE TO ORGANS. ASP. TOX. 1 H304 MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS. AQUATIC CHRONIC 2 H411 TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS. ACUTE TOX. 4 H302 HARMFUL IF SWALLOWED. SKIN IRRIT. 2 H315 CAUSES SKIN IRRITATION. SKIN SENS. 1 H317 MAY CAUSE AN ALLERGIC SKIN REACTION. |
| 2.2 LABEL ELEMENTS | LABEL IN ACCORDANCE WITH REGULATION (EC) NO 1272/2008. |
| GHS LABEL |     GHS02 GHS07 GHS08 GHS09 |
| SIGNAL WORD | DANGER. |
| CONTAINS | THUJONE, EUCALYPTOL, CAMPHOR, PIN-2(3)-ENE |
| HAZARDS STATEMENT | H226 FLAMMABLE LIQUID AND VAPOUR. H302 HARMFUL IF SWALLOWED. H315 CAUSES SKIN IRRITATION. H317 MAY CAUSE AN ALLERGIC SKIN REACTION. H371 MAY CAUSE DAMAGE TO ORGANS. H304 MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS. H411 TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS. |
| PRECAUTIONARY STATEMENTS | P210 KEEP AWAY FROM HEAT/SPARKS/OPEN FLAMES/HOT SURFACES. - NO SMOKING. P241 USE EXPLOSION-PROOF ELECTRICAL/VENTILATING/LIGHTING/EQUIPMENT. P301+P310 IF SWALLOWED: IMMEDIATELY CALL A POISON CENTER/ DOCTOR. P303+P361+P353 IF ON SKIN (OR HAIR): REMOVE/TAKE OFF IMMEDIATELY ALL CONTAMINATED CLOTHING. RINSE SKIN WITH WATER/SHOWER. P405 STORE LOCKED UP. P501 DISPOSE OF CONTENTS/CONTAINER IN ACCORDANCE WITH LOCAL/REGIONAL/NATIONAL/INTERNATIONAL REGULATIONS. |
| SUPPLEMENTARY PRECAUTIONARY STATEMENTS | - |
| SECTION 16 (OTHER INFORMATION): RISK & SAFETY PHRASES IN FULL. | |
| 2.3 OTHER HAZARDS | |
| ADVERSE PHYSIO-CHEMICAL PROPERTIES | NO DATA |
| ADVERSE EFFECTS ON HUMAN HEALTH | NO DATA |
| PBT OR VPVB ACCORDING TO ANNEX XIII | NO DATA |
| SECTION 3: COMPOSITION OF INGREDIENTS | |
| 3.2 MIXTURES | 25-50% THUJONE CAS: 546-80-5 EINECS: 208-912-2 CLASSIFICATION (EC 1272/2008): ACUTE TOX. 4, H302 10-25% CAMPHOR CAS: 21368-68-3 EINECS: 244-350-4 CLASSIFICATION (EC 1272/2008): FLAM. SOL. 2, H228; STOT SE 2, H371; ACUTE TOX. 4, H302; ACUTE TOX. 4, H332 10-25% EUCALYPTOL CAS: 470-82-6 EINECS: 207-431-5 CLASSIFICATION (EC 1272/2008): FLAM. LIQ. 3, H226; SKIN SENS. 1, H317 |



| | |
|--|---|
| | <p>2.5-10% PINENES CAS: 80-56-8 EINECS: 201-291-9 CLASSIFICATION (EC 1272/2008): FLAM. LIQ. 3, H226; ASP. TOX. 1, H304; SKIN IRRIT. 2, H315; SKIN SENS. 1, H317</p> <p>2.5-10% BETA-CARYOPHYLLENE CAS: 87-44-5 EINECS: 201-746-1 CLASSIFICATION (EC 1272/2008): ASP. TOX. 1, H304</p> <p>2.5-10% CAMPHENE CAS: 79-92-5 EINECS: 201-234-8 CLASSIFICATION (EC 1272/2008): FLAM. SOL. 1, H228; AQUATIC ACUTE 1, H400; AQUATIC CHRONIC 1, H410; EYE IRRIT. 2, H319.</p> <p>2.5-10% DL-BORNEOL CAS: 507-70-0 EINECS: 208-080-0 CLASSIFICATION (EC 1272/2008): FLAM. SOL. 2, H228</p> <p>≤ 2.5% BETA PINENE CAS: 127-91-3 EINECS: 204-872-5 CLASSIFICATION (EC 1272/2008): FLAM. LIQ. 3, H226; ASP. TOX. 1, H304; SKIN IRRIT. 2, H315; SKIN SENS. 1, H317</p> <p>≤ 2.5% BORNYL ACETATE CAS: 76-49-3 EINECS: 200-964-4 CLASSIFICATION (EC 1272/2008): AQUATIC CHRONIC 2, H411; SKIN IRRIT. 2, H315</p> <p>≤ 2.5% D-LIMONENE CAS: 5989-27-5 EINECS: 227-813-5 CLASSIFICATION (EC 1272/2008): FLAM. LIQ. 3, H226; ASP. TOX. 1, H304; AQUATIC ACUTE 1, H400; AQUATIC CHRONIC 1, H410; SKIN IRRIT. 2, H315; SKIN SENS. 1, H317</p> <p>≤ 2.5% P-CYMENE CAS: 99-87-6 EINECS: 202-796-7 CLASSIFICATION (EC 1272/2008): FLAM. LIQ. 3, H226; ASP. TOX. 1, H304; AQUATIC CHRONIC 2, H411</p> |
|--|---|

| 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. 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>INHALATION MAY CAUSE COUGHING AND DIFFICULTIES IN BREATHING.</p> <p>INGESTION IRRITATING TO THE RESPIRATORY TRACT AND MAY CAUSE DAMAGE TO THE CENTRAL NERVOUS SYSTEM.</p> <p>SKIN CONTACT TOXIC IN CONTACT WITH SKIN.</p> <p>EYE CONTACT MAY CAUSE EYE IRRITATION.</p> |
| 4.3 | |
| INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION OR SPECIAL TREATMENT REQUIRED | NONE EXPECTED, SEE SECTION 4.1 FOR FURTHER INFORMATION. |

| 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. |
| 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. |
| 6.4 REFERENCES TO OTHER SECTIONS | REFER & CONSIDER SECTION 8. REFER & CONSIDER SECTION 13. |

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 | KEEP THE PRODUCT CONTAINER TIGHTLY CLOSED, IN A DRY, VENTILATED AREA. KEEP AWAY FROM POTENTIAL SOURCES OF IGNITION AND PROTECTED FROM LIGHT. MAINTAIN LIMITED CONTACT WITH OXYGEN. |
| 7.3 SPECIFIC END USE(S) | NO DATA. |

SECTION 8: EXPOSURE CONTROLS & PERSONAL PROTECTION

| | |
|---|---|
| 8.1 CONTROL PARAMETERS | THE PRODUCT DOES NOT CONTAIN ANY RELEVANT QUANTITIES OF MATERIALS WITH CRITICAL VALUES THAT HAVE TO BE MONITORED AT THE WORKPLACE. |
| 8.2 EXPOSURE CONTROLS | |
|  | |
| EYE PROTECTION | WEAR PROTECTIVE GLOVES/EYE PROTECTION/FACE PROTECTION. |
| HAND PROTECTION | WEAR PROTECTIVE GLOVES/EYE PROTECTION/FACE PROTECTION. |
| RESPIRATORY EQUIPMENT | UNDER NORMAL CONDITIONS OF USE AND WHERE ADEQUATE VENTILATION IS AVAILABLE TO PREVENT BUILD UP OF EXCESSIVE VAPOUR, THIS MATERIAL SHOULD NOT REQUIRE SPECIAL ENGINEERING CONTROLS. HOWEVER, IN CONDITIONS OF HIGH OR PROLONGED USE, OR HIGH TEMPERATURE OR OTHER CONDITIONS WHICH INCREASE EXPOSURE, THE FOLLOWING ENGINEERING CONTROLS CAN BE USED TO MINIMISE EXPOSURE TO PERSONNEL: A) INCREASE VENTILATION OF THE AREA WITH LOCAL EXHAUST VENTILATION. B) PERSONNEL CAN USE AN APPROVED, APPROPRIATELY FITTED RESPIRATOR WITH ORGANIC VAPOUR CARTRIDGE OR CANISTERS AND PARTICULATE FILTERS. C) USE CLOSED SYSTEMS FOR TRANSFERRING AND PROCESSING THIS MATERIAL. ALSO REFER TO SECTIONS 2 AND 7. |
| 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. |
| 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. |
| ENVIRONMENTAL EXPOSURE CONTROLS | AVOID DISCHARGING INTO DRAINAGE WATER. |



SECTION 9: PHYSICAL & CHEMICAL PROPERTIES



| | |
|--|--|
| 9.1 PHYSICAL & CHEMICAL PROPERTIES | |
| APPEARANCE | LIQUID |
| COLOUR | YELLOW – RED BROWN |
| ODOUR | CHARACTERISTIC |
| RELATIVE DENSITY | 0.910 – 0.930 @ 20°C |
| FLASH POINT (°C) | 57°C |
| REFRACTIVE INDEX @ 20 °C | APPROX. 1.458 – 1.474 @ 20°C |
| SOLUBILITY IN WATER @ 20 °C | SOLUBLE IN WATER, INSOLUBLE IN ETHANOL. |
| 9.2 OTHER INFORMATION | NO DATA. |
| SECTION 10: STABILITY & REACTIVITY | |
| 10.1 REACTIVITY | PRESENTS NO SIGNIFICANT REACTIVITY HAZARDS, BY ITSELF OR IN CONTACT WITH WATER. STABLE UNDER NORMAL TEMPERATURE AND STORAGE CONDITIONS AND RECOMMENDED USE. |
| 10.2 CHEMICAL STABILITY | STABLE UNDER SUGGESTED STORAGE CONDITIONS (<15°C). |
| 10.3 POSSIBILITY OF HAZARDOUS REACTIONS | NO. |
| 10.4 CONDITIONS TO AVOID | STORAGE AT HIGH TEMPERATURES. DO NOT STORE ABOVE 15°C. |
| 10.5 INCOMPATIBLE MATERIALS | P.V.C |
| 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 | NO DATA |
| SKIN IRRITATION | MAY CAUSE AN ALLERGIC SKIN REACTION. |
| EYE DAMAGE OR IRRITATION | NOT CLASSIFIED AS IRRITATING TO THE EYE (SOURCE CSR) |
| RESPIRATORY OR SKIN SENSITIVITY | MAY CAUSE AN ALLERGIC SKIN REACTION. |
| GERM CELL MUTAGENICITY | NEGATIVE. (SOURCE CSR). |
| CARCINOGENICITY | NOT APPLICABLE. |
| REPRODUCTIVE TOXICITY | NOT APPLICABLE. |
| STOT – SINGLE EXPOSURE | NOT APPLICABLE. |
| STOT – REPEATED EXPOSURE | NOT APPLICABLE. |
| ASPIRATION HAZARD | MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS. |
| OTHER INFORMATION | THE PRODUCT SHOWS THE FOLLOWING DANGERS ACCORDING TO THE CALCULATION METHOD OF THE GENERAL EU CLASSIFICATION GUIDELINES FOR PREPARATIONS AS ISSUED IN THE LATEST VERSION: HARMFUL IRRITANT |
| SECTION 12: ECOLOGICAL INFORMATION | |
| 12.1 TOXICITY | TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS |
| 12.2 PERSISTENCE & DEGRADABILITY | TO BE CONSIDERED AS READILY BIODEGRADABLE BASED ON ITS READY BIODEGRADABILITY. OIL DOES NOT |

| | |
|--|--|
| | FULFIL THE CRITERIA FOR PERSISTENCE. |
| 12.3 BIO- ACCUMULATIVE POTENTIAL | BIO-ACCUMALATION POTENTIAL |
| 12.4 MOBILITY IN SOIL | CONSIDERED AS A READILY BIODEGRADABLE NCS. BASED ON THE READY BIODEGRADABILITY OF THE NCS, SIMULATION TESTS IN SURFACE WATER, SEDIMENT AND SOIL ARE NOT REQUIRED IN ACCORDANCE WITH EFFECTS. |
| 12.5 RESULTS OF PBT & VPVB ASSESSMENT | THIS SUBSTANCE DOES NOT MEET THE PBT/VPVB CRITERIA OF REACH, ANNEX XIII. |
| 12.6 OTHER ADVERSE EFFECTS | DO NOT ALLOW PRODUCT TO ENTER STREAMS, SEWERS OR OTHER WATERWAYS. |
| 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: 1993 RAIL: 1993 AIR: 1993 |
| 14.2 UN SHIPPING NAME | ADR: FLAMMABLE LIQUID, N.O.S. (NOT VISCOUS) (ALPHA- PINENE, THUJONE), ENVIRONMENTALLY |
| 14.3 TRANSPORT HAZARD CLASS(ES) | ADR/RID/ADN CLASS: 3 FLAMMABLE LIQUID. IMDG CLASS: 3 FLAMMABLE LIQUID. ICAO CLASS/DIVISION: 3 FLAMMABLE LIQUID. TRANSPORT LABELS  |
| 14.4 PACKING GROUP | ADR/RID/ADN PACKING GROUP III IMDG PACKING GROUP III ICAO PACKING GROUP III |
| 14.5 ENVIROMENTAL HAZARDS | ENVIRONMENTALLY HAZARDOUS SUBSTANCE/MARINE POLLUTANT  |



| | |
|--|---|
| <p>14.6 SPECIAL PRECAUTIONS FOR USER</p> | <p>Warning: Flammable liquids</p> <p>EMSN: F+ - E, - D</p> <p>Danger Code (Kemler): 36</p> <p>Tunnel restriction code: D/E</p> <p>Limited Quantities (LQ) Excepted Quantities (EQ)</p> <p>ADR & IMDG: SL Code: E1</p> <p>Maximum net quantity per inner packaging: 50 ml</p> <p>Maximum net quantity per outer packaging: 1000 ml</p> <p>UN Model Regulation: UN1993, FLAMMABLE LIQUID, N.O.S. (not viscous) (alpha-PINENE, Thujone), ENVIRONMENTALLY HAZARDOUS</p> |
| <p>14.7 TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL73/78 & THE IBC CODE.</p> | <p>NO ADDITIONAL DATA.</p> |
| <p>SECTION 15: REGULATORY INFORMATION</p> | |
| <p>15.1 PRODUCT SPECIFIC SAFETY, HEALTH & ENVIRONMENTAL REGULATIONS & LEGISLATION</p> | |
| <p>EU DIRECTIVES</p> | <p>REGULATION (EC) NO 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL OF 18TH 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) NO793/93 & COMMISSION REGULATION (EC) NO1488/94 AS WELL AS COUNCIL DIRECTIVE 76/769/EEC & COMMISSION DIRECTIVE 91/155/ECC, 93/67/ECC, 93/105/EEC & 2000/21/EC (INCLUDING AMENDMENTS).</p> |
| <p>STATUTORY INSTRUMENTS</p> | <p>THE CHEMICALS (HAZARD INFORMATION & PACKAGING FOR SUPPLY REGULATIONS 2009 (S.I.2009 NO 716).</p> |
| <p>APPROVED CODE OF PRACTICE</p> | <p>CLASSIFICATION & LABELLING OF SUBSTANCES & PREPARATIONS DANGEROUS FOR SUPPLY. SAFETY DATA SHEETS FOR SUBSTANCES & PREPARATIONS.</p> |
| <p>GUIDANCE NOTES</p> | <p>WORKPLACE EXPOSURE LIMITS EH40. CHIP FOR EVERYONE HSG 108.</p> |
| <p>15.2 CHEMICAL SAFETY ASSESSMENT</p> | <p>-</p> |



SECTION 16: OTHER INFORMATION

| | |
|--|---|
| HAZARD AND/ OR PRECAUTIONARY STATEMENTS IN FULL | H226 FLAMMABLE LIQUID AND VAPOUR. H228 FLAMMABLE SOLID. H302 HARMFUL IF SWALLOWED. 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. H332 HARMFUL IF INHALED. H371 MAY CAUSE DAMAGE TO ORGANS. H400 VERY TOXIC TO AQUATIC LIFE. H410 VERY TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS. H411 TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS. |
| 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 |
|-----------------------------|--------------------|
| 10 TH APRIL 2018 | |
| | |
| | |

The attached information is considered to be correct at the time the client received this information. Please be aware that detail can change and we encourage clients to update their records with MADAR regularly. The information is not and should not be considered a guarantee or warranty, or a part of our contractual or other legal obligations. The information is not to be disclosed to others, reproduced or transmitted in whole or in part without permission from MADAR.



SPECIFICATION SHEET

PRODUCT NAME: SAGE DALMATION, ESSENTIAL OIL

PRODUCT INCI: SALVIA OFFICINALIS

PRODUCT CODE: K0408

CAS NUMBER: 8016-64-6

EINECS NUMBER: 282-025-9

MANUFACTURING METHOD: STEAM DISTILLED

| ANALYTICAL DETAILS | RANGE |
|-------------------------|------------------------------------|
| APPEARANCE | LIQUID |
| COLOUR | COLOURLESS – PALE YELLOW |
| ODOUR | CHARACTERISTIC, CAMPHORATED, SPICY |
| SPECIFIC GRAVITY @ 20°C | 0.910 – 0.930 |
| REFRACTIVE INDEX @ 20°C | 1.458 – 1.474 |
| OPTICAL ROTATION (°C) | +2.0 TO +30.0 |

STORAGE CONDITIONS

STORE IN A COOL DRY PLACE AWAY FROM HEAT & SUNLIGHT

DOCUMENTATION REVIEW DATE:

24TH MAY 2018

The attached information is considered to be correct at the time the client received this information. Please be aware that detail can change and we encourage clients to update their records with MADAR regularly. The information is not and should not be considered a guarantee or warranty, or a part of our contractual or other legal obligations. The information is not to be disclosed to others, reproduced or transmitted in whole or in part without permission from MADAR.



Vegetarian & Vegan Suitability Statement

PRODUCT NAME: **Sage Dalmatian, Essential Oil**

MADAR Corporation Limited can confirm that the above listed product does not contain dairy or any other animal product, by product or derivative and is therefore suitable for vegetarian and vegan use.