



Certificate of Analysis

St Johns Wort Organic Essential Oil

Batch No.: 4331301

Expiry Date: August 2021

Analytical Data

Appearance: Mobile oily clear liquid orange red to brown

Odour: Sweet, slightly fruity

Relative density at 20°C (g/ml): 0.915

Refractive index at 20°C: 1.472

Optical rotation at 20°C: +1.08°

As received by our supplier



IFRA CONFORMITY CERTIFICATE

Fragrance compound

Product: **ST JOHNS WORT ESSENTIAL OIL**

We, MADAR Corporation Limited, certify that to the best of our knowledge and from information received from our supplier, that the above compound is in compliance with the Standards of the INTERNATIONAL FRAGRANCE ASSOCIATION (IFRA - 47th Amendment / published June, 2013), provided it is used in the following class(es) at a maximum concentration level of:

IFRA CLASS	Maximum concentration level in the final product (%)	IFRA CLASS	Maximum concentration level in the final product (%)
1A	100%	6	100%
1B	100%	7A	100%
2	100%	7B	100%
3A	100%	8A	100%
3B	100%	8B	100%
3C	100%	9A	100%
3D	100%	9B	100%
4A	100%	9C	100%
4B	100%	10A	100%
4C	100%	10B	100%
4D	100%	11A	100%
5	100%	11B	100%

For other kinds of application or use at higher concentration levels, a new evaluation may be needed; please contact *Supplier*.

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.

It is the ultimate responsibility of our customer to ensure the safety of the final product (containing this fragrance) by further testing if need be.

This essential oil of St John's Wort from Bulgaria conforms to IFRA Standards for Europe.

This essential oil of St John's Wort from Bulgaria is PROHIBITED by IFRA Standards for other countries (no FEMA number should be generally recognised as safe).



Definition of IFRA Classes

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. liquitabs) 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



SAFETY DATA SHEET
ST JOHN'S WORT ESSENTIAL OIL

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

1.1. Product identifier

Product name ST JOHN'S WORT ESSENTIAL OIL
Product No. OESTJOHN
Synonyms, Trade Names Hypercium Perforatum Oil
CAS-No. 84082-80-4
EC No. 282-026-4
Alternative Cas
68917-49-7

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

Identified uses Fragrances & Flavours

1.3. Details of the supplier of the safety data sheet

Supplier MADAR Corporation Limited
19-20 Sandleheath Industrial Estate
Fordingbridge
Hampshire
SP6 1PA

01425 655555

Approved Sellers Cosmetic Butters, Mystic Moments, New Directions, World of Moulds

1.4. Emergency telephone number

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)
Physical and Chemical Hazards Flam. Liq. 3 - H226
Human health Skin Irrit. 2 - H315; Skin Sens. 1 - H317; Asp. Tox. 1 - H304
Environment Aquatic Acute 1 - H400; Aquatic Chronic 1 - H410
Classification (1999/45/EEC) Xn; R65. R43. N; R50/53. R10.

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

Human health

May cause allergic skin reaction and fatal if swallowed

Environment

The product contains a substance which is toxic to aquatic organisms and which may cause long term adverse effects in the aquatic environment.

Physical and Chemical Hazards

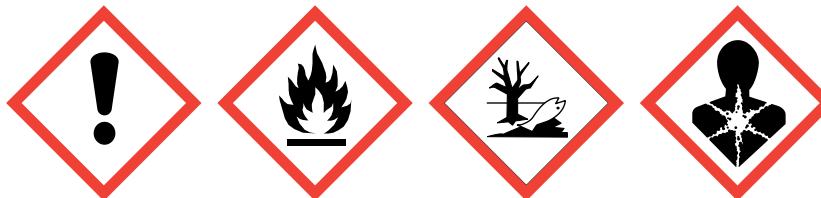
This product is flammable

2.2. Label elements

EC No. 282-026-4
Contains Alpha pinene natural
Beta Caryophyllene
Beta Pinene
trans-Ocimene

Label In Accordance With (EC) No. 1272/2008

ST JOHN'S WORT



Signal Word	Danger	
Hazard Statements		
	H226	Flammable liquid and vapour.
	H304	May be fatal if swallowed and enters airways.
	H315	Causes skin irritation.
	H317	May cause an allergic skin reaction.
	H410	Very toxic to aquatic life with long lasting effects.
Supplementary Precautionary Statements		
	P210	Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
	P233	Keep container tightly closed.
	P240	Ground/bond container and receiving equipment.
	P241	Use explosion-proof electrical equipment.
	P242	Use only non-sparking tools.
	P243	Take precautionary measures against static discharge.
	P272	Contaminated work clothing should not be allowed out of the workplace.
	P273	Avoid release to the environment.
	P280	Wear protective gloves/protective clothing/eye protection/face protection.
	P261	Avoid breathing vapour/spray.
	P264	Wash contaminated skin thoroughly after handling.
	P321	Specific treatment (see medical advice on this label).
	P370+378	In case of fire: Use foam, carbon dioxide, dry powder or water fog for extinction.
	P301+310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
	P302+352	IF ON SKIN: Wash with plenty of soap and water.
	P303+361+353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
	P331	Do NOT induce vomiting.
	P332+313	If skin irritation occurs: Get medical advice/attention.
	P333+313	If skin irritation or rash occurs: Get medical advice/attention.
	P362	Take off contaminated clothing and wash before reuse.
	P363	Wash contaminated clothing before reuse.
	P391	Collect spillage.
	P403+235	Store in a well-ventilated place. Keep cool.
	P405	Store locked up.
	P501	Dispose of contents/container to ...

2.3. Other hazards

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

Alpha pinene natural	10-30%
CAS-No.: 80-56-8	EC No.: 201-291-9
Classification (EC 1272/2008) Flam. Liq. 3 - H226 Skin Irrit. 2 - H315 Skin Sens. 1 - H317 Asp. Tox. 1 - H304	Classification (67/548/EEC) Xn;R65. Xi;R38. R43,R10.

ST JOHN'S WORT

Beta Caryophyllene	1-5%
CAS-No.: 87-44-5	EC No.: 201-746-1
Classification (EC 1272/2008) Asp. Tox. 1 - H304	Classification (67/548/EEC) Xn;R65.
Beta Pinene	5-10%
CAS-No.: 127-91-3	EC No.: 204-872-5
Classification (EC 1272/2008) Flam. Liq. 3 - H226 Skin Irrit. 2 - H315 Skin Sens. 1 - H317 Asp. Tox. 1 - H304	Classification (67/548/EEC) Xn;R65. Xi;R38. R43,R10.
Myrcene (7-methyl-3-methyleneocta-1,6-diene)	1-5%
CAS-No.: 123-35-3	EC No.: 204-622-5
Classification (EC 1272/2008) Flam. Liq. 3 - H226 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Asp. Tox. 1 - H304	Classification (67/548/EEC) Xn;R65. Xi;R38. R10.
p-Cymene	1-5%
CAS-No.: 99-87-6	EC No.: 202-796-7
Classification (EC 1272/2008) Flam. Liq. 3 - H226 Skin Irrit. 2 - H315 Skin Sens. 1 - H317 Asp. Tox. 1 - H304 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	Classification (67/548/EEC) Xn;R65. N;R51/53. R10.
Trans-Beta-Ocimene	1-5%
CAS-No.: 13877-91-3	EC No.: 237-641-2
Classification (EC 1272/2008) Flam. Liq. 3 - H226 Asp. Tox. 1 - H304	Classification (67/548/EEC) Xn;R65. R10.
trans-Ocimene	1-5%
CAS-No.: 13877-91-3	EC No.: 237-641-2
Classification (EC 1272/2008) Skin Irrit. 2 - H315 Skin Sens. 1 - H317 Asp. Tox. 1 - H304 Aquatic Chronic 2 - H411	Classification (67/548/EEC) Xn;R65. Xi;R38. N;R51/53. R43.

ST JOHN'S WORT

Undecane	1-5%
CAS-No.: 1120-21-4	EC No.: 214-300-6
Classification (EC 1272/2008) EUH066 Asp. Tox. 1 - H304	Classification (67/548/EEC) Xn;R65. R66.

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

CAS-No. 84082-80-4

EC No. 282-026-4

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

Inhalation

Move into fresh air and keep at rest. Get medical attention if any discomfort continues.

Ingestion

Immediately rinse mouth and provide fresh air. DO NOT INDUCE VOMITING! Get medical attention immediately!

Skin contact

Remove contaminated clothes and rinse skin thoroughly with water. Get medical attention if any discomfort continues.

Eye contact

Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart.

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

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

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Extinguishing media

Use as appropriate: Carbon dioxide (CO₂), dry chemical or foam.

Unsuitable extinguishing media

Full water jet.

5.2. Special hazards arising from the substance or mixture

Specific hazards

In case of fire, toxic fumes like carbon monoxide and carbon dioxide may be liberated. Burning produces heavy smoke, do not inhale fumes.

5.3. Advice for firefighters

Special Fire Fighting Procedures

The pressure in the closed containers may increase with high temperatures. Cool the endangered drums by water spraying or by an appropriate produce if water is not authorized.

Protective equipment for fire-fighters

Wear full protective clothing.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Remove all sources of ignition. Provide adequate ventilation. Avoid contact with skin and eyes.

6.2. Environmental precautions

Do not discharge into drains, water courses or onto the ground.

6.3. Methods and material for containment and cleaning up

Limit the dispersion of the product. Absorb the liquid with an inert absorbent, such as oil or sand. Wash with grease extractor. Dispose of the duster and sponges used, according to local regulations.

6.4. Reference to other sections

Wear protective clothing as described in Section 8 of this safety data sheet.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Keep away from heat, sparks and open flame. Do not eat, drink or smoke when using the product.

7.2. Conditions for safe storage, including any incompatibilities

Store in original containers. Keep tightly closed and keep cool, dry place. Keep away from heat and sources of ignition. Avoid exposure to air and light. Maintain adequate air circulation in the working areas.

7.3. Specific end use(s)

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters**p-Cymene (CAS: 99-87-6)**

Ingredient Comments

Contains no substances with occupational exposure limit values.

8.2. Exposure controls

Protective equipment



Process conditions

Provide eyewash station.

Engineering measures

Provide adequate ventilation.

Respiratory equipment

Generally unnecessary in a well ventilated area. If ventilation is insufficient, respiratory protection must be worn. The wearing of a mask is recommended.

Hand protection

Chemical resistant gloves (PVC)

Eye protection

Wear approved safety goggles.

Hygiene measures

Good personal hygiene practices are always advisable, especially when working with chemicals / oils.

Personal protection

Avoid inhalation and contact with skin and eyes.

Skin protection

Wear apron or protective clothing in case of splashes.

Environmental Exposure Controls

Avoid discharging into drainage water. Only eliminate by authorised companies.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	Liquid
Colour	Pale yellow to yellow
Odour	Characteristic.
Solubility	Insoluble in water
Relative density	0.783 - 0.805 20c
Flash point (°C)	+31c

9.2. Other information

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

ST JOHN'S WORT

Refractive Index 1.435 - 1.445
Optical Rotation -5 to +10

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

10.2. Chemical stability

Stable under normal temperature conditions.

10.3. Possibility of hazardous reactions

10.4. Conditions to avoid

Avoid heat, flames and other sources of ignition. Temperatures above room temperature will allow the transfer from liquid to vapour phase and formation of explosive atmosphere.

10.5. Incompatible materials

Materials To Avoid

Strong oxidising substances. Strong alkalis. Strong acids.

10.6. Hazardous decomposition products

Not known.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Acute Fish Toxicity

Very toxic to aquatic organisms.

12.2. Persistence and degradability

12.3. Bioaccumulative potential

12.4. Mobility in soil

12.5. Results of PBT and vPvB assessment

12.6. Other adverse effects

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Dispose of in compliance with all local and national regulations.

SECTION 14: TRANSPORT INFORMATION

14.1. UN number

UN No. (ADR/RID/ADN) 1169

UN No. (IMDG) 1169

UN No. (ICAO) 1169

14.2. UN proper shipping name

Proper Shipping Name EXTRACTS, AROMATIC, LIQUID

Proper Shipping Name EXTRACTS, AROMATIC, LIQUID

ST JOHN'S WORT

14.3. Transport hazard class(es)

ADR/RID/ADN Class	Class 3: Flammable liquids.
IMDG Class	3
ICAO Class/Division	3
Transport Labels	



14.4. Packing group

ADR/RID/ADN Packing group	III
IMDG Packing group	III
ICAO Packing group	III

14.5. Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant



14.6. Special precautions for user

EMS	F-E-S-D
Emergency Action Code	3Y
Hazard No. (ADR)	30 Flammable liquid (flash-point between 23°C and 60°C, inclusive) or flammable liquid or solid in the molten state with a flash-point above 60°C, heated to a temperature equal to or above its flash-point, or self heating liquid.
Tunnel Restriction Code	(D/E)

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Tariff Number	33012941
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SECTION 15: REGULATORY INFORMATION

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

Guidance Notes

CHIP for everyone HSG(108).

EU Legislation

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

15.2. Chemical Safety Assessment

SECTION 16: OTHER INFORMATION

SDS No.	10348
Date	16/03/2015

ST JOHN'S WORT

Risk Phrases In Full

R10	Flammable.
R65	Harmful: may cause lung damage if swallowed.
R38	Irritating to skin.
R43	May cause sensitisation by skin contact.
R66	Repeated exposure may cause skin dryness or cracking.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Hazard Statements In Full

H319	Causes serious eye irritation.
H315	Causes skin irritation.
H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H317	May cause an allergic skin reaction.
EUH066	Repeated exposure may cause skin dryness or cracking.
H411	Toxic to aquatic life with long lasting effects.
H410	Very toxic to aquatic life with long lasting effects.
H400	Very toxic to aquatic life.

Disclaimer

This 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. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.



PRODUCT SPECIFICATION

Product	ST JOHN'S WORT ESSENTIAL OIL
CAS No:	84082-80-4
ALTERNATIVE CAS:	68917-49-7
EINECS	282-026-4
FDA:	172.510
CoE:	234n
INCI NAME:	Hypericum Perforatum Oil
Country of Origin:	Bulgaria
Tariff No:	3301 2941
Appearance:	Liquid
Colour:	Pale yellow to yellow
Odour:	Characteristic
Specific Gravity @ 20c:	0.783 – 0.805
Refractive Index @ 20c:	1.435 – 1.445
Flash Point:	+31c
Optical Rotation @ 20c:	-5 to +10
Solubility:	Insoluble.
Storage:	Keep in tightly closed container in a cool and dry place, protected from light. Stable at usual storage and use conditions.

The analytical values are subject to change as common with natural and nature identical products.
These statements do not release the buyer from the duty of his own controls



ALLERGEN STATEMENT

PRODUCT NAME: ST JOHN'S WORT ESSENTIAL OIL

Compounds	C.A.S	% Natural	% Synthetic	% Total
Alpha-Hexyl cinnamic aldehyde (HCA)	101-86-0	-	-	-
Amyl cinnamic alcohol	101-85-9	-	-	-
Amyl cinnamic aldehyde (ACA)	122-40-7	-	-	-
Anisyl alcohol	105-13-5	-	-	-
Benzyl salicylate	118-58-1	-	-	-
Benzyl benzoate	120-51-4	-	-	-
Benzyl cinnamate	103-41-3	-	-	-
Benzyl alcohol	100-51-6	-	-	-
Cinnamic alcohol	104-54-1	-	-	-
Cinnamic aldehyde	104-55-2	-	-	-
Citral	5392-40-5	-	-	-
Citronellol	106-22-9	-	-	-
Coumarin (2p-1-benzopyran-2-one	91-64-5	-	-	-
D'limonene	5989-27-5	<0.50%	-	-
Eugenol	97-53-0	-	-	-
Farnesol	4602-84-0	-	-	-
Geraniol	106-24-1	-	-	-
Lyrar (Hydroxymethylpentyl cyclohexene carbalde)	31906-04-4	-	-	-
Hydroxycitronellal	107-75-5	-	-	-
Isoeugenol	97-54-1	-	-	-
Alpha-Iso-methyl Ionone	127-51-5	-	-	-
Linalool	78-70-6	-	-	-
Methyl heptine carbonate	111-12-6	-	-	-
Oakmoss absolute	9000-50-4	-	-	-
p-tert-Butyl-alpha-methylhydrocinnamic a	80-54-6	-	-	-
Tree moss	68648-41-9	-	-	-