



## Certificate of Analysis

PRODUCT DETAILS					
Product Name	ST JOHNS WORT OIL				
Batch/Lot Number	4375513				
Expiry Date	October 2022				
Invoice Number	PINV-17461				
Identification	CAS No: 68917-49-7		Alternative CAS : 84082-80-4		
	EINECS No: 282-026-4				
PHYSICAL AND CHEMICAL CHARACTERISTIC					
	SPECIFICATION RANGE			RESULTS	
Appearance	Liquid			Conforms	
Colour	Pale Yellow to Yellow			Conforms	
Odour	Spicy, Characterisitc			Conforms	
Relative Density @ 20°C	0.783 - 0.805			0.798	
Refractive Index @ 20°C	1.435 - 1.445			1.443	
Flash Point °C	≥31			Conforms	
Angular Rotation (°)	-5 to +10			+2.56	
Solubilities	Insoluble in Water, Soluable in Ethanol			Conforms	
MAIN CONSTITUENTS					
CONSTITUENT RANGE	RESULTS	CONSTITUENT RANGE	RESULTS	CONSTITUENT RANGE	RESULTS
Alpha Pinene <25%	8.97%	Beta Pinene <15%	5.87%	Beta Caryophyllene <10%	6.78%
Trans-ocimene <5%	3.44%	nonane <5%	3.45%		
STORAGE AND SHELF LIFE					
Storage	Store in tightly closed container with minimum headspace in a cool, dark and dry place.				
Shelf Life	24 months unopened and stored as above.				

**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 users responsibility to satisfy himself as to the suitability of such information for his own particular use. Where Global Essence make a declaration that allergenic material are not present in any product, this statement is made assuming reasonable levels of detection. It is impossible to guarantee the "absolute absence" of any material. It is the ultimate responsibility of the customer to ensure the safety of the intended final product containing this material, by carrying out additional tests if necessary.

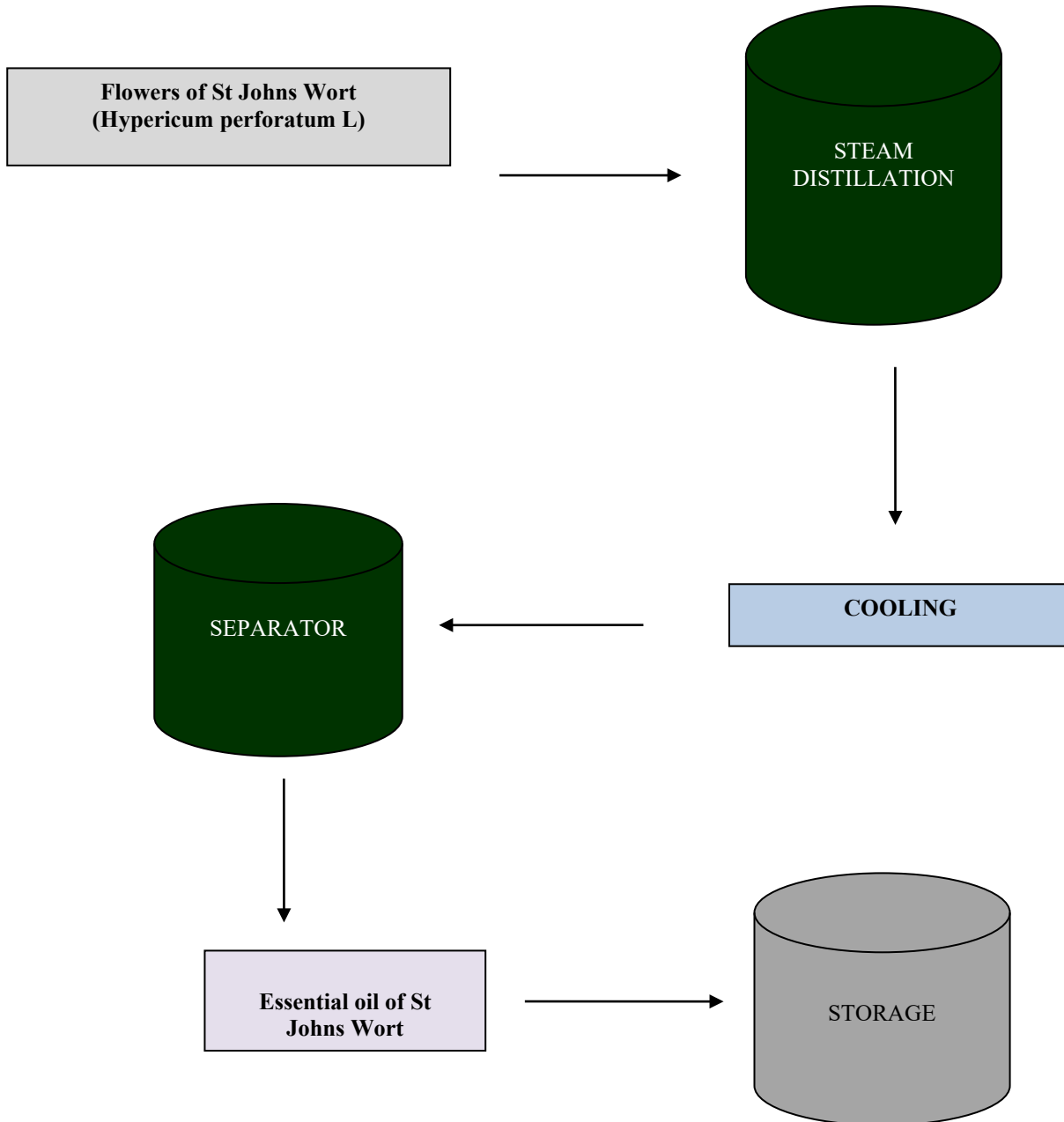


## ALLERGEN STATEMENT

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	-	-	-
Lyral (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	-	-	-

**PRODUCT NAME: ST JOHN'S WORT**

## PROCESSING – ST JOHNS WORT FLOW CHART





## IFRA CONFORMITY CERTIFICATE

Product: **ST JOHNS WORT**

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 JOHNS WORT OIL

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

#### 1.1. Product identifier

Product name	ST JOHNS WORT OIL
Product number	HYPERICUM PERFORATUM OIL
Synonyms; trade names	68917-49-7
CAS number	84082-80-4
Alternative Cas Number	
EC number	282-026-4

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

Identified uses	Industrial, only for professional use
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#### 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 technical@madarcorporation.co.uk
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#### 1.4. Emergency telephone number - 01425 655555

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification (EC 1272/2008)

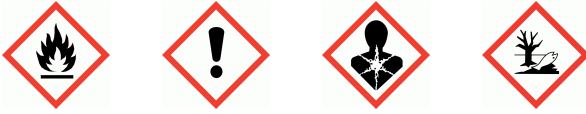
Physical hazards	Flam. Liq. 3 - H226
Health hazards	Skin Sens. 1 - H317 Asp. Tox. 1 - H304
Environmental hazards	Aquatic Chronic 1 - H410
Human health	May cause an allergic skin reaction. May be fatal if swallowed and enters airways.
Environmental	Very toxic to aquatic life with long lasting effects.
Physicochemical	Flammable liquid

#### 2.2. Label elements

EC number	282-026-4
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## ST JOHNS WORT OIL

### Pictogram



### Signal word

Danger

### Hazard statements

H226 Flammable liquid and vapour.  
 H304 May be fatal if swallowed and enters airways.  
 H317 May cause an allergic skin reaction.  
 H410 Very toxic to aquatic life with long lasting effects.

### Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
 P233 Keep container tightly closed.  
 P273 Avoid release to the environment.  
 P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.  
 P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.  
 P302+P352 IF ON SKIN: Wash with plenty of water.  
 P501 Dispose of contents/ container in accordance with national regulations.

### Contains

Alpha Pinene, Beta Pinene, Beta Caryophyllene, trans-ocimene, nonane, undecane, 7-methyl-3-methyleneocta-1,6-diene, p-Cymene

### Supplementary precautionary statements

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.  
 P261 Avoid breathing vapour/ spray.  
 P272 Contaminated work clothing should not be allowed out of the workplace.  
 P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.  
 P321 Specific treatment (see medical advice on this label).  
 P331 Do NOT induce vomiting.  
 P333+P313 If skin irritation or rash occurs: Get medical advice/ attention.  
 P362+P364 Take off contaminated clothing and wash it before reuse.  
 P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish.  
 P391 Collect spillage.  
 P403+P235 Store in a well-ventilated place. Keep cool.  
 P405 Store locked up.

### 2.3. Other hazards

## ST JOHNS WORT OIL

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

<b>Alpha Pinene</b>	<b>&lt;25%</b>
CAS number: 80-56-8	EC number: 201-291-9
M factor (Acute) = 1	M factor (Chronic) = 1
<b>Classification</b> Flam. Liq. 3 - H226 Acute Tox. 4 - H302 Skin Irrit. 2 - H315 Skin Sens. 1 - H317 Asp. Tox. 1 - H304 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	
<b>Beta Pinene</b>	<b>&lt;15%</b>
CAS number: 127-91-3	EC number: 242-060-2
M factor (Acute) = 1	M factor (Chronic) = 1
<b>Classification</b> Flam. Liq. 3 - H226 Skin Irrit. 2 - H315 Skin Sens. 1 - H317 Asp. Tox. 1 - H304 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	
<b>Beta Caryophyllene</b>	<b>&lt;10%</b>
CAS number: 87-44-5	EC number: 201-746-1
<b>Classification</b> Skin Sens. 1B - H317 Asp. Tox. 1 - H304	
<b>undecane</b>	<b>&lt;5%</b>
CAS number: 1120-21-4	EC number: 214-300-6
<b>Classification</b> Asp. Tox. 1 - H304	
<b>trans-ocimene</b>	<b>&lt;5%</b>
CAS number: 13877-91-3	EC number: 237-641-2
<b>Classification</b> Flam. Liq. 3 - H226 Asp. Tox. 1 - H304	



## ST JOHNS WORT OIL

<b>nonane</b>	<b>&lt;5%</b>
CAS number: 111-84-2	EC number: 203-913-4
M factor (Chronic) = 1	
<b>Classification</b>	
Flam. Liq. 3 - H226	
Skin Irrit. 2 - H315	
STOT SE 3 - H336	
Asp. Tox. 1 - H304	
Aquatic Chronic 1 - H410	
<b>p-Cymene</b>	<b>&lt;3%</b>
CAS number: 99-87-6	EC number: 202-796-7
<b>Classification</b>	
Flam. Liq. 3 - H226	
Skin Irrit. 2 - H315	
Eye Irrit. 2 - H319	
Asp. Tox. 1 - H304	
<b>7-methyl-3-methyleneocta-1,6-diene</b>	<b>&lt;3%</b>
CAS number: 123-35-3	EC number: 204-622-5
M factor (Acute) = 1	M factor (Chronic) = 1
<b>Classification</b>	
Flam. Liq. 3 - H226	
Skin Irrit. 2 - H315	
Eye Irrit. 2 - H319	
Skin Sens. 1 - H317	
Asp. Tox. 1 - H304	
Aquatic Acute 1 - H400	
Aquatic Chronic 1 - H410	

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

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

<b>Inhalation</b>	Remove person to fresh air and keep comfortable for breathing. Get medical attention.
<b>Ingestion</b>	Rinse mouth thoroughly with water. Aspiration hazard if swallowed. Do not induce vomiting. Get medical attention.
<b>Skin contact</b>	Remove contaminated clothing immediately and wash skin with soap and water. Continue to rinse for at least 15 minutes. Get medical attention.
<b>Eye contact</b>	Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

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

**General information** No further information available at this time.

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

## ST JOHNS WORT ANIC

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

**Suitable extinguishing media** Use alcohol-resistant foam, carbon dioxide or dry powder to extinguish.

**Unsuitable extinguishing media** For safety reasons do not use 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.

#### 5.3. Advice for firefighters

**Protective actions during firefighting** Avoid breathing fire gases or vapours.

**Special protective equipment for firefighters** Wear full protective clothing

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

**Personal precautions** No smoking, sparks, flames or other sources of ignition near spillage. Avoid contact with skin, eyes and clothing. Avoid inhalation of vapours. Use suitable respiratory protection if ventilation is inadequate. Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate.

#### 6.2. Environmental precautions

**Environmental precautions** Do not discharge into drains or watercourses or onto the ground.

#### 6.3. Methods and material for containment and cleaning up

**Methods for cleaning up** Absorb with liquid binding material (e.g sand, diatomaceous earth, acid or universal binding agents). Collect in closed and suitable containers for disposal. Wash spill site after material pick up is complete. No smoking, sparks, flames or other sources of ignition near spillage.

#### 6.4. Reference to other sections

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

**Usage precautions** Apply good manufacturing practice and industrial hygiene practices. Keep containers sealed when not in use. Do not get in eyes, on skin, or on clothing. Avoid breathing vapours. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not eat, drink or smoke when using this product.

#### 7.2. Conditions for safe storage, including any incompatibilities

**Storage precautions** Store in tightly-closed, original container in a dry, cool and well-ventilated place.

#### 7.3. Specific end use(s)

## ST JOHNS WORT OIL

### SECTION 8: Exposure Controls/personal protection

#### 8.1. Control parameters

##### Alpha Pinene (CAS: 80-56-8)

<b>DNEL</b>	<p>Workers - Inhalation; Long term systemic effects: 3.8 mg/m<sup>3</sup></p> <p>Workers - Dermal; Long term systemic effects: 0.54 mg/kg, bw/day</p> <p>General population - Inhalation; Long term systemic effects: 0.67 mg/m<sup>3</sup></p> <p>General population - Dermal; Long term systemic effects: 0.19 mg/kg, bw/day</p> <p>General population - Oral; Long term systemic effects: 0.19 mg/kg, bw/day</p>
<b>PNEC</b>	<ul style="list-style-type: none"> <li>- Fresh water; Short term 0.606 mg/l</li> <li>- Fresh water, Intermittent release; 3.03 mg/l</li> <li>- Marine water; Short term 0.061 mg/l</li> <li>- Intermittent release, Marine water; 0.303 mg/l</li> <li>- STP; Short term 0.2 mg/l</li> <li>- Sediment (Freshwater); Short term 157 mg/kg</li> <li>- Sediment (Marinewater); Short term 15.7 mg/kg</li> <li>- Soil; Short term 31.7 mg/kg</li> </ul>

##### Beta Pinene (CAS: 127-91-3)

<b>DNEL</b>	<p>Workers - Inhalation; Long term systemic effects: 5.69 mg/m<sup>3</sup></p> <p>Workers - Dermal; Long term systemic effects: 0.8 mg/kg, bw/day</p> <p>General population - Inhalation; Long term systemic effects: 1 mg/m<sup>3</sup></p> <p>General population - Dermal; Long term systemic effects: 0.3 bw/day, mg/kg</p> <p>General population - Oral; Long term systemic effects: 0.3 mg/kg, bw/day</p>
<b>PNEC</b>	<ul style="list-style-type: none"> <li>- Fresh water; Short term 1.004 mg/l</li> <li>- Intermittent release, Fresh water; 5.02 mg/l</li> <li>- Marine water; Short term 0.1 mg/l</li> <li>- STP; Short term 3.26 mg/l</li> <li>- Sediment (Freshwater); Short term 0.337 mg/kg</li> <li>- Sediment (Marinewater); Short term 0.034 mg/kg</li> <li>- Soil; Short term 0.067 mg/kg</li> </ul>

##### nonane (CAS: 111-84-2)

<b>DNEL</b>	<p>Workers - Inhalation; Long term systemic effects: 2.035 mg/m<sup>3</sup></p> <p>Workers - Dermal; Long term systemic effects: 773 mg/kg, bw/day</p> <p>General population - Inhalation; Long term systemic effects: 608 mg/m<sup>3</sup></p> <p>General population - Dermal; Long term systemic effects: 699 bw/day, mg/kg</p> <p>General population - Oral; Long term systemic effects: 699 bw/day, mg/kg</p>
<b>PNEC</b>	<ul style="list-style-type: none"> <li>- Fresh water; Short term 3.6 mg/l</li> <li>- Marine water; Short term 3.6 mg/l</li> <li>- STP; Short term 54 mg/l</li> <li>- Sediment (Freshwater); Short term 0.62 mg/kg</li> <li>- Sediment (Marinewater); Short term 0.62 mg/kg</li> <li>- Soil; Short term 0.25 mg/kg</li> </ul>

##### undecane (CAS: 1120-21-4)

## ST JOHNS WORT OIL

<b>PNEC</b>	<ul style="list-style-type: none"> <li>- Fresh water; Short term 0.92 mg/l</li> <li>- Marine water; Short term 0.92 mg/l</li> <li>- STP; Short term 14 mg/l</li> <li>- Sediment (Freshwater); Short term 1 mg/kg</li> <li>- Sediment (Marinewater); Short term 1 mg/kg</li> <li>- Soil; Short term 1 mg/kg</li> </ul>
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### 7-methyl-3-methyleneocta-1,6-diene (CAS: 123-35-3)

<b>DNEL</b>	<p>Workers - Dermal; Long term systemic effects: 0.83 mg/kg</p> <p>Workers - Inhalation; Long term systemic effects: 5.83 mg/m<sup>3</sup></p> <p>General population - Dermal; Long term systemic effects: 0.42 mg/kg</p> <p>General population - Inhalation; Long term systemic effects: 1.25 mg/m<sup>3</sup></p>
<b>PNEC</b>	<ul style="list-style-type: none"> <li>- STP; 0.2 mg/l</li> <li>- Soil; 1.015 mg/kg</li> <li>- Fresh water; 0.00028 mg/l</li> <li>- Marine water; 0.0008 mg/l</li> <li>- Sediment (Freshwater); 5.022 mg/kg</li> <li>- Sediment (Marinewater); 0.502 mg/kg</li> </ul>

## 8.2. Exposure controls

### Protective equipment



### Appropriate engineering controls

Provide eyewash station Provide adequate ventilation.

### Personal protection

Use personal protection according to Directive 89/686/EEC

### Eye/face protection

Approved safety goggles.

### Hand protection

Chemical resistant gloves (PVC)

### Other skin and body protection

Wear apron or protective clothing in case of contact.

### Hygiene measures

Good personal hygiene procedures should be implemented.

### Respiratory protection

Generally unnecessary in a well ventilated area.  
If ventilation is insufficient, respiratory protection must be worn.

### Environmental exposure controls

Avoid discharging into drains.

## ST JOHNS WORT OIL

### SECTION 9: Physical and Chemical Properties

#### 9.1. Information on basic physical and chemical properties

Appearance	Liquid.
Colour	Pale yellow to yellow
Odour	Spicy Characteristic.
Flash point	≥ 31°C
Relative density	0.783 - 0.805 @ 20°C
Solubility(ies)	Soluble in ethanol. Insoluble in water.

#### 9.2. Other information

Refractive index	1.435 - 1.445 @ 20°C
Optical Rotation	-5 to +10
Hydrocarbon Content	

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

Reactivity	The substance is stable under normal storage and handling conditions.
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#### 10.2. Chemical stability

Stability	Stable under the prescribed storage conditions.
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#### 10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	No data available.
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#### 10.4. Conditions to avoid

Conditions to avoid	Avoid heat, flames and other sources of ignition.
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#### 10.5. Incompatible materials

Materials to avoid	No data available.
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#### 10.6. Hazardous decomposition products

Hazardous decomposition products	No dangerous decomposition products expected by intended use.
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### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

Toxicological effects	No data available.
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#### Acute toxicity - dermal

Notes (dermal LD <sub>50</sub> )	No data available.
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#### Acute toxicity - inhalation

Notes (inhalation LC <sub>50</sub> )	No data available.
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#### Skin sensitisation

Skin sensitisation	May cause an allergic skin reaction.
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#### Aspiration hazard

## ST JOHNS WORT OIL

**Aspiration hazard**

May be fatal if swallowed and enters airways.

## ST JOHNS WORT OIL

### SECTION 12: Ecological Information

#### 12.1. Toxicity

**Toxicity** Very toxic to aquatic life with long lasting effects.

**Acute toxicity - terrestrial** No data available.

#### 12.2. Persistence and degradability

**Persistence and degradability** No data available.

#### 12.3. Bioaccumulative potential

**Bioaccumulative potential** No data available.

#### 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

**Disposal methods** Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Do not empty into drains.

### SECTION 14: Transport information

#### 14.1. UN number

**UN No. (ADR/RID)** 1169

**UN No. (IMDG)** 1169

**UN No. (ICAO)** 1169

**UN No. (ADN)** 1169

#### 14.2. UN proper shipping name

**Proper shipping name (ADR/RID)** EXTRACTS, AROMATIC, LIQUID

**Proper shipping name (IMDG)** EXTRACTS, AROMATIC, LIQUID

**Proper shipping name (ICAO)** EXTRACTS, AROMATIC, LIQUID

**Proper shipping name (ADN)** EXTRACTS, AROMATIC, LIQUID

#### 14.3. Transport hazard class(es)

**ADR/RID class** 3

**ADR/RID classification code** F1

**ADR/RID label** 3

**IMDG class** 3

**ICAO class/division** 3

**ADN class** 3

## ST JOHNS WORT OIL

### Transport labels



#### 14.4. Packing group

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

#### 14.5. Environmental hazards

##### Environmentally hazardous substance/marine pollutant

No.

#### 14.6. Special precautions for user

EmS	F-E, S-D
ADR transport category	3
Emergency Action Code	3Y
Hazard Identification Number (ADR/RID)	30
Tunnel restriction code	(D/E)

#### 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

### SECTION 15: Regulatory information

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

EU legislation	Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).
Guidance	CHIP for everyone HSG228.

#### 15.2. Chemical safety assessment

### SECTION 16: Other information

Revision date	07/07/2017
Revision	1
SDS number	4982
Hazard statements in full	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. H319 Causes serious eye irritation. H336 May cause drowsiness or dizziness. 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.



## ST JOHNS WORT OIL

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 DETAILS		
Product Name	ST JOHNS WORT OIL	
Country of Origin	Bulgaria	
Tariff Number	33012941	
Natural Status	We hereby declare, to the best of our knowledge and from information received from our supplier, that this product is in accordance to the requirements of Articles 3 (2) (d) of Regulation (EC) 1334/2008 and therefore can be designated as natural.	
Food Grade Status	We confirm, from information received from our supplier, that this product conforms with EU Regulations and can be used in food.	
Kosher Certified	No	
Halal Certified	Not Certified	
GMO Declaration	To the best of our knowledge and from information received from our supplier, this product does not derive from genetically modified starting raw material, or additives that are derived from genetically modified organisms.	
Identification	CAS No: 68917-49-7	Alternative CAS : 84082-80-4
	EINECS No: 282-026-4	
PHYSICAL AND CHEMICAL CHARACTERISTIC		
Appearance	Liquid	
Colour	Pale Yellow to Yellow	
Odour	Spicy, Characterisitc	
Relative Density @ 20°C	0.783 - 0.805	
Refractive Index @ 20°C	1.435 - 1.445	
Flash Point °C	≥31	
Angular Rotation (°)	-5 to +10	
Solubilities	Insoluble in Water, Soluable in Ethanol	
FRAGRANCE ALLERGENS		
Limonene (5989-27-5) <0.5%		
FOOD ALLERGENS		
NONE PRESENT		
IFRA		
NONE PRESENT		
STORAGE AND SHELF LIFE		
Storage	Store in tightly closed container with minimum headspace in a cool, dark and dry place.	
Shelf Life	24 months unopened and stored as above.	

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