

SAFETY DATA SHEET

according to Regulation (EU) 2015/830

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Tulsi (Holy Basil) Essential Oil

Revision 1
Revision date 2017-07-19

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

1.1. Product identifier

Product name	Tulsi (Holy Basil) Essential Oil	1120 Helig basilika Tulsi
☐	Ocimum Tenuiflorum Oil, Syn. Ocimum Sanctum.	
CAS No.	8015-73-4	

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

Product Use	[SU3] Industrial uses: Uses of substances as such or in preparations at industrial sites; [PC39] Cosmetics, personal care products;
Description	Essential Oil.

1.3. Details of the supplier of the safety data sheet

Company	Naturkosmetikkompaniet AB
Address	Ullevi Enestorp 3 59491 Gamleby Sverige
Web	
Telephone	www.naturkosmetikkompaniet.se
Fax	0493-53999
Email	0493-12630
Email address of the competent person	info@naturkosmetikkompaniet.se

1.4. Emergency telephone number

Emergency telephone number	112
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SECTION 2: Hazards identification

2.1. Classification of the substance or mixture


2.1.1. Classification - 67/548/EEC	Xn; R22 Xi; R38 Symbols: Xn: Harmful.
Main hazards	Harmful if swallowed. Irritating to skin.
2.1.2. Classification - EC 1272/2008	Flam. Liq. 3: H226; Asp. Tox. 1: H304; Skin Irrit. 2: H315; Skin Sens. 1: H317; Aquatic Chronic 2: H411;

2.2. Label elements

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2.2. Label elements

Hazard pictograms	
Signal Word	Danger
Hazard Statement	<p>Flam. Liq. 3: H226 - Flammable liquid and vapour. Asp. Tox. 1: H304 - May be fatal if swallowed and enters airways. Skin Irrit. 2: H315 - Causes skin irritation. Skin Sens. 1: H317 - May cause an allergic skin reaction. Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.</p>

SECTION 3: Composition/information on ingredients

3.1. Substances

67/548/EEC / 1999/45/EC

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification	M-factor.
Tulsi (Holy Basil) Essential Oil		8015-73-4			90 - 100%	Xn; R22 Xi; R38	

EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification	M-factor.
Tulsi (Holy Basil) Essential Oil		8015-73-4			90 - 100%	Flam. Liq. 3: H226; Asp. Tox. 1: H304; Skin Irrit. 2: H315; Skin Sens. 1: H317; Aquatic Chronic 2: H411;	

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	If unconscious, check for breathing and apply artificial respiration if necessary. Move the exposed person to fresh air. Seek medical attention.
Eye contact	Rinse immediately with plenty of water for 15 minutes. Seek medical attention.
Skin contact	Wash off immediately with plenty of soap and water. Seek medical attention.
Ingestion	Never give anything by mouth to an unconscious person. Rinse mouth thoroughly. Seek medical attention.

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

Inhalation	The most important symptoms and effects are stated in section 2.2.
Eye contact	The most important symptoms and effects are stated in section 2.2.
Skin contact	The most important symptoms and effects are stated in section 2.2.
Ingestion	The most important symptoms and effects are stated in section 2.2.

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

	No data available.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

	Carbon dioxide (CO2). Foam. Cool fire exposed containers with waterspray.
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5.2. Special hazards arising from the substance or mixture

	Nature of decomposition products not known.
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5.3. Advice for firefighters

	Self-contained breathing apparatus.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

	Adopt best Manual Handling considerations when handling, carrying and dispensing. Ensure adequate ventilation of the working area. Evacuate personnel to a safe area. Wear suitable protective clothing and eye/face protection. Avoid breathing vapours, mist or gas.
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6.2. Environmental precautions

	Do not empty into drains.
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6.3. Methods and material for containment and cleaning up

	Absorb with inert, absorbent material. Do not empty into drains; dispose of this material and its container in a safe way.
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6.4. Reference to other sections

	For disposal see section 13.
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SECTION 7: Handling and storage

7.1. Precautions for safe handling


	Avoid contact with eyes and skin. Do not breathe gas/fumes/vapour/spray.
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7.2. Conditions for safe storage, including any incompatibilities

	Keep container tightly closed and in a well-ventilated place. Store in a cool, dry area. Containers which are opened must be carefully resealed and kept upright to prevent leakage.
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SECTION 8: Exposure controls/personal protection

8.2. Exposure controls

	
8.2.1. Appropriate engineering controls	Handle in accordance with good industrial hygiene and safety practices.
Eye / face protection	Safety glasses. Suitable eye protection.
Skin protection - Handprotection	Wear suitable gloves.
Respiratory protection	Not normally required. In case of insufficient ventilation, wear suitable respiratory equipment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

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9.1. Information on basic physical and chemical properties

Appearance	Liquid
Colour	Light yellow/Brown
Odour	Characteristic
Odour threshold	Not determined
pH	Not applicable.
Melting point	Not determined
Freezing Point	Not determined
Initial boiling point	Not determined
Flash point	65 °C
Evaporation rate	Not determined
Flammability (solid, gas)	Not determined
Vapour pressure	Not determined
Vapour density	Not determined
Relative density	0.925 - 0.97 (H ₂ O = 1 @ 20 °C)
Fat Solubility	Not determined
Partition coefficient	Not determined
Autoignition temperature	Not determined
Viscosity	Not determined
Explosive properties	Not determined
Oxidising properties	Not determined
Solubility	Insoluble in water

9.2. Other information

Conductivity	Not determined
Surface tension	Not determined
Gas group	Not determined
Benzene Content	Not determined
Lead content	Not determined
VOC (Volatile organic compounds)	Not determined

SECTION 10: Stability and reactivity

10.1. Reactivity

No data available for this product.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No data is available on this product.

10.5. Incompatible materials

Strong oxidising agents.

10.6. Hazardous decomposition products

No data is available on this product. In the event of a fire see section 5.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	No data available.
Skin corrosion/irritation	May cause irritation to skin, eyes and mucous membranes.
Serious eye damage/irritation	No data available.

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11.1. Information on toxicological effects

Respiratory or skin sensitisation	No data available.
Germ cell mutagenicity	No data available.
Carcinogenicity	No data available.
Reproductive toxicity	No data available.
STOT-single exposure	No data available.
STOT-repeated exposure	No data available.
Aspiration hazard	if used in a well ventilated area there is no significant hazard.

11.1.4. Toxicological Information

	No data available
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Further information

	Contains Metyl Eugenol approximately 40%.
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SECTION 12: Ecological information

12.1. Toxicity

	Not determined
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12.2. Persistence and degradability

	Not determined.
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12.3. Bioaccumulative potential

	Not determined.
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Partition coefficient

	Tulsi (Holy Basil) Essential Oil Not determined
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12.4. Mobility in soil

	Not determined.
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12.5. Results of PBT and vPvB assessment

	Not determined.
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SECTION 13: Disposal considerations

Disposal methods

	Do not empty into drains; dispose of this material and its container in a safe way. Contact a licensed waste disposal company.
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Disposal of packaging

	Contact a licensed waste disposal company.
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SECTION 14: Transport information

14.1. UN number

	The product is not classified as dangerous for carriage.
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14.2. UN proper shipping name

	The product is not classified as dangerous for carriage.
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14.3. Transport hazard class(es)

	The product is not classified as dangerous for carriage.
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14.4. Packing group

	The product is not classified as dangerous for carriage.
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14.5. Environmental hazards

	The product is not classified as dangerous for carriage.
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14.6. Special precautions for user

	The product is not classified as dangerous for carriage.
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14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

	The product is not classified as dangerous for carriage.
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SECTION 15: Regulatory information

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

Regulations	COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on 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.
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15.2. Chemical safety assessment

	A chemical safety assessment was not carried out for this substance.
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SECTION 16: Other information

Other information

Text of risk phrases in Section 3	R22 - Harmful if swallowed. R38 - Irritating to skin.
Text of Hazard Statements in Section 3	Flam. Liq. 3: H226 - Flammable liquid and vapour. Asp. Tox. 1: H304 - May be fatal if swallowed and enters airways. Skin Irrit. 2: H315 - Causes skin irritation. Skin Sens. 1: H317 - May cause an allergic skin reaction. Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.

General information

	When stored for more than 24 months under advised conditions, check quality of material before use.
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Further information

	The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. 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 other process.
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Fragrance Allergens
EU Cosmetics Regulation (EC) No 1223/2009

Product Name: Tulsi (Holy Basil) Essential oil
Ocimum Tenuiflorum Oil (Syn. Ocimum Sanctum)
Produkt: 1120 Helig basilika Tulsi

Ingredient	CAS no.	Total content (%w/w)
Alpha- Isomethyl ionone	127-51-5	0.000
Amyl Cinnamal	122-40-7	0.000
Amyl Cinnamyl alcohol	101-85-9	0.000
Anise alcohol	105-13-5	0.000
Benzyl alcohol	100-51-6	0.000
Benzyl Benzoate	120-51-4	0.000
Benzyl Cinnamate	103-41-3	0.000
Benzyl salicylate	118-58-1	0.000
Butylphenyl Methylpropional	80-54-6	0.000
Cinnamal	104-55-2	0.000
Cinnamyl Alcohol	104-54-1	0.000
Citral	5392-40-5	0.02
Citronellol	106-22-9	0.300
Coumarin	91-64-5	0.000
Eugenol	97-53-00	16.45
Evernia Furfuracea (treemoss) Extract	90028-67-4	0.000
Evernia Prunasti (Oakmoss) Extract	90028-68-5	0.000
Farnesol	4602-84-0	0.000
Geraniol	106-24-1	0.38
Hexyl Cinnamal	101-86-0	0.000
Hydroxycitronellal	107-75-5	0.000
Hydroxyisohexyl 3-Cyclohexene Carboxaldehyde	31906-04-4	0.000
Isoeugenol	97-54-1	0.000
Limonene	5989-27-5	0.19
Linalool	78-70-6	0.26
Methyl 2-Octynoate	111-12-6	0.000

NB: also contains Methyl Eugenol (39.08%) please refer to IFRA statement.



Methyl eugenol

CAS N°:	93-15-2	Empirical formula:	C ₁₁ H ₁₄ O ₂
Structure:			
Synonyms:	Eugenyl methyl ether Methyl eugenol ether Allylveratrole Veratrole methyl ether 4-Allyl-1,2-dimethoxybenzene Benzene, 1,2-dimethoxy-4-(2-propenyl)- 1,2-Dimethoxy-4-allylbenzene 1,2-dimethoxy-4-(2-propenyl)- benzene		

History:	Initial reviews:		
	Current revision date:		
	Implementation date:	For new submissions*:	August 10, 2015
		For existing fragrance compounds*:	August 10, 2016
	Next review date	2020	

* This date applies to the supply of fragrance compounds (formulas) only, not to the finished products in the marketplace.

RECOMMENDATION:

RESTRICTED

RESTRICTIONS:

Limits in the finished product:			
<u>Skin contact products:</u>			
Leave-on products:	See note box	Rinse-off products:	See note box
Non-skin contact products:	See note box <i>Including household cleaning products</i>		
Note box:			
The Standard is based on long-term systemic effects and will therefore have a wider range of product type limitations as follows: Fine fragrance: 0.02% Eau de toilette: 0.008% Fragrancing cream: 0.004% Other leave-on: 0.0004% Rinse-off: 0.001% Non-skin, incidental skin contact: 0.01%			
The limitations apply to Methyl eugenol (ME) originating from all sources. Contributions from essential oils can be significant (see Contribution from other sources).			
Fragrance material specifications:	N/A		



Methyl eugenol

CONTRIBUTION FROM OTHER SOURCES:

See **Annex I**.

CRITICAL EFFECT:

CARCINOGENICITY

RFIM SUMMARIES:

The currently available metabolic, biochemical and toxicological data found for Methyl eugenol in laboratory species provide clear evidence of non-linearity in the dose-response relationship for Methyl eugenol with respect to metabolic activation and mechanisms associated with carcinogenic effects. Consideration of these data indicates a No Observed Effect Level for Methyl eugenol in the rat in the dose-range of 1-10 mg/kg body weight/day.

REXPAN RATIONALE / CONCLUSION:

Based on the lower end of the NOEL and applying a 1000 times safety factor for systemic effects a daily dose for Methyl eugenol of 60 µg/day is supported. Taking into account a dermal penetration factor of 40% leads to an acceptable dose of 150 µg/day.

This daily dose, applying the calculation table for dermal exposure as attached (contained in Api *et al.* (2014)), results in the maximum concentrations for Methyl eugenol in certain product categories as outlined in the section 'limits' of this Standard.

REFERENCES: