



Tulsi (Holy Basil) Essential Oil

1. Product and Company Identification

- **Product Name** : **Tulsi (Holy Basil) Essential Oil**
- **INCI Name** : Ocimum sanctum (Tulsi) Oil
- **Botanical Name** : Ocimum sanctum syn O. tenuiflorum
- **CAS Number** : 91845-35-1
- **EINECS No.** : 295-208-3
- **Recommended Use** : Intended for aromatherapy, personal care products and cosmetic formulations. Should be used in accordance with industry standards and IFRA guidelines, ensuring proper dilution and application to avoid adverse reactions. Do not ingest.
- **Manufacturer Name** : Dose of Naturals
- **Product Code** : DEO-1168
- **E-mail** : info@doseofnaturals.com
- **Website** : www.doseofnaturals.com

2. Hazards Identification

GHS Classification

Flammable liquids	- Category 4
Acute toxicity, oral	- Category 5
Aspiration hazard	- Category 1
Skin corrosion/irritation	- Category 2
Skin corrosion/irritation	- Category 3
Skin sensitization	- Category 1
Serious eye damage/eye irritation	- Category 2A
Hazardous to the aquatic environment, acute hazard	- Category 2
Hazardous to the aquatic environment, long-term hazard	- Category 2

GHS Label elements including precautionary statements



Signal: Danger



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Hazard statement(s)

H227	Combustible Liquid
H303	May be harmful if swallowed
H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H411	Toxic to aquatic life with long-lasting effects

Precautionary statement(s)

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P261	Avoid breathing dust/fumes/gas/mist/vapours/spray.
P264	Wash skin thoroughly after handling.
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.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P302+P352	IF ON SKIN:Wash with plenty of water.
P305+P351+P338	IF IN EYES:Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.
P312	Call a POISON CENTER/ doctor/if you feel unwell.
P321	Specific treatment (see section 4 on this label).
P331	Do NOT induce vomiting.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P333	If skin irritation or a rash occurs:Get medical advice/attention.
P337+P313	If eye irritation persists get medical advice/attention.
P362	Take off contaminated clothing
P363	Wash contaminated clothing before reuse.
P370+P378	In case of fire:Use foam to extinguish.
P391	Collect spillage
P403+P235	Store in a well ventilated place. Keep cool.
P405	Store locked up
P501	Dispose of contents/container according to local regulations.

3. Composition/Information Ingredients

INCI Name	CAS NO	EINECS number	Concentration
Ocimum sanctum (Tulsi) Oil	91845-35-1	295-208-3	100 %



4. First Aid Measures

- **Inhalation** : Move to fresh air. If symptoms persist, call a physician.
- **Skin Contact** : Wash off immediately with plenty of water. If skin irritation persists, call a physician.
- **Eye Contact** : Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
- **Ingestion** : Rinse mouth. Do NOT induce vomiting. Call a physician immediately.

5. Fire-Fighting Measures

- **Suitable Extinguishing Media:** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
- **Unsuitable Extinguishing Media:** Do not use a solid water stream as it may scatter and spread fire.
- **Specific Hazards Arising from the Chemical:** Carbon oxides.
- **Protective Equipment and Precautions for Firefighters:** Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.
- **Fire fighting equipment/ Instructions:** In case of fire and/or explosion do not breathe fumes. Use standard firefighting procedures and consider the hazards of other involved materials. Move containers from fire area if you can do so without risk. Water runoff can cause environmental damage. Ventilate closed spaces before entering them. Keep run-off water out of sewers and water sources. Dike for water control.

6. Accidental Release Measures

- **Personal Precautions:** Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation.
- **Environmental Precautions:** Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
- **Methods for Containment and Clean-Up:** Contain spillage and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations.



7. HANDLING AND STORAGE

Handling

Precautions for safe handling: Avoid splashes or spray in enclosed areas. Keep out of reach of children.

Conditions for safe storage including any incompatibilities

Requirements to be met by storerooms and receptacles: Store in cool, dry conditions in well-sealed receptacles. Avoid storage near extreme heat, ignition sources or open flame.

Information about storage in one common storage facility: Keep away from open flames, hot surfaces and sources of ignition. Store away from oxidizing agents.

Specific end uses: No relevant information available.

8. Exposure Controls/Personal Protection

- **Control Parameters :** Components with workplace control parameters.
- **Engineering Controls :** Ensure adequate ventilation especially in confined areas.
- **Occupational exposure limits :** This substance has no PEL, TLV or other recommended exposure limit.
- **Biological limit values :** No biological exposure limits noted for the ingredient(s).
- **Appropriate engineering controls:** Use explosion-proof ventilation equipment to stay below exposure limits. Adequate ventilation should be provided so that exposure limits are not exceeded.

Individual protection measures such as personal protective equipment:

Eye/face protection : Wear safety glasses with side shields (or goggles)

Skin protection

Hand protection : Chemical resistant gloves

Other : Wear suitable protective clothing

Respiratory protection : Respiratory protection not required. If ventilation is insufficient, suitable respiratory protection must be provided

Thermal hazards : Wear appropriate thermal protective clothing when necessary





General hygiene considerations : Always observe good personal hygiene measures such as washing after handling the material and before eating, drinking and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. Physical and Chemical Properties

• Appearance	:	Pale Yellow - Yellow
• Odor	:	Spicy, herbaceous, camphoraceous, sweet, clove-like, slightly bitter aroma
• pH	:	Not Available
• Melting Point/Freezing Point	:	Not Available
• Initial Boiling Point & Boiling Range	:	Not Available
• Flash Point	:	Not Available
• Flammability (solid, gas)	:	Not Applicable
• Refractive Index	:	1.242- 1.249 @ 20°C
• Specific Gravity	:	0.925- 0.926 @ 20°C
• Solubility	:	Insoluble
• Viscosity	:	Not Available

10. Stability and reactivity

- ❖ **Reactivity:** None under normal use conditions
- ❖ **Chemical stability:** Stable under recommended storage conditions
- ❖ **Thermal decomposition / conditions to be avoided:** No decomposition if used and stored according to specifications
- ❖ **Possibility of hazardous reactions:** No data available
- ❖ **Conditions to avoid:** None under normal processing
- ❖ **Incompatible materials:** None in particular
- ❖ **Hazardous decomposition products:** Hazardous decomposition does not occur under normal condition



11. Toxicological Information

Information on likely routes of exposure

Inhalation	:	Knowledge about health hazard is incomplete
Skin contact	:	Knowledge about health hazard is incomplete
Eye contact	:	Knowledge about health hazard is incomplete
Ingestion	:	Expected to be a low ingestion hazard

Symptoms related to the physical, chemical and toxicological characteristics

: Direct contact with eyes may cause temporary irritation

Information on toxicological effects

Acute toxicity : Based on available data, the classification criteria are not met

LD/LC50 values that are relevant for classification : No data available

Primary irritant effect : No data available

On the skin : Based on available data, the classification criteria are not met

On the eye : Based on available data, the classification criteria are not met

Sensitization : Sensitization possible through skin contact

IARC (International Agency for Research on Cancer) : Substance is not listed

NTP (National Toxicology Program) : Substance is not listed

OSHA-Ca (Occupational Safety & Health Administration) : Substance is not listed

Probable route(s) of exposure:

- Ingestion
- Inhalation
- Eye
- contact
- Skin contact

Reproductive toxicity : Based on available data, the classification criteria are not met

STOT-single exposure : Based on available data, the classification criteria are not met

STOT-repeated exposure : Based on available data, the classification criteria are not met

Aspiration hazard : Based on available data, the classification criteria are not met



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12. Ecological Information

Ecotoxicity : Avoid any pollution of ground, surface or underground water

Persistence & degradability : Not Available

Bio - accumulative potential : Not Available

Mobility in soil : Not Available

Other adverse effects : Not Available

13. Disposal Considerations

Waste Treatment Methods: Dispose of in accordance with local regulations. Avoid disposing into drainage systems and into the environment. Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. Transport Information

Transport	Rule	Hazard class	Packing group	UN number
Land	RID/ADR	Not Regulated	Not Regulated	Not Regulated
Maritime	IMDG	Not Regulated	Not Regulated	Not Regulated
Air	IATA/DGR	Not Regulated	Not Regulated	Not Regulated

15. Regulatory Information

US federal regulations

Toxic Substances Control Act (TSCA) : Not regulated

CERCLA Hazardous Substance List (40 CFR 302.4) : Not listed

SARA 304 Emergency release notification : Not regulated

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053) : Not listed



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Superfund Amendments and Reauthorization Act of 1986 (SARA)

SARA 302 Extremely hazardous substance	:	Not listed.
SARA 311/312 Hazardous	:	No listed
SARA 313 (TRI reporting)	:	Not regulated.

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List: Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130): Not regulated.

Safe Drinking Water Act (SDWA): Not regulated

16. Other Information:

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