

Safety Data Sheet
& Rules and Regulation

Nanoessential Basil

Revision Date:
Supersedes:

1 PRODUCT & COMPANY IDENTIFICATION

Product Name:	Nanoessential Basil	Distributor:	Dr TRC Lab Private Limited
Synonyms:	Sweet Basil Oil.	Address:	H-269, DSIIDC Industrial Area, North West Delhi, Delhi-110039
INCI Name:	Ocimum Basilicum (Sweet Basil) Oil.	Website:	www.trckem.in
CAS Number:	8015-73-4		
Formula:	C ₁₀ H ₁₄		
Product Form:	Liquid.		
Product Use:	Aromatherapy, natural perfumery, flavoring agent.		

2 HAZARDS IDENTIFICATION

GHS Classification:	Flammable Liquid Category 4; Acute Toxicity (Oral) Category 4
GHS Labelling:	Not specified.
GHS Hazard Pictogram:	
GHS Hazard Statements:	H227: Combustible liquid; H302: Harmful if swallowed.
GHS Precautionary Statement:	P273: Avoid release to the environment; P280: Wear protective gloves.
Potential Health Hazards:	Harmful if swallowed; causes skin irritation
NFPA Rating(704):	a. Health: 2 b. Reactivity: 0

3 COMPOSITION/INFORMATION ON INGREDIENTS

Composition	CAS No.	Weight %	Molecular Weight
Basil Oi	8015-73-4	100%	Not specified

4 FIRST AID MEASURES

Eyes:	Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do.
Inhalation:	Move person to fresh air and keep comfortable for breathing.
Skin:	Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention.
Ingestion:	Call a poison center or doctor if you feel unwell.

5 FIRE-FIGHTING MEASURES



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Suitable (and Unstable Extinguishing Media):	Use foam, dry chemical, or carbon dioxide. Do not use water jet.
Special protective equipment & Precaution for Fire-fighters:	Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.
Special Hazards arising from the Chemicals:	Combustible liquid; may release toxic fumes under fire conditions.

6 ACCIDENTAL RELEASE MEASURES

Personal precaution, protective equipment & emergency procedure:	Wear protective gloves and eye protection. Ensure adequate ventilation.
Environment precautions:	Prevent release to the environment. Do not allow to enter sewers or watercourses.
Methods and material for containment and cleaning up:	Contain spill with inert material. Collect and place in suitable disposal containers.

7 HANDLING & STORAGE

Precautions for safe handling:	Avoid contact with skin and eyes. Use in well-ventilated areas
Condition for safe storage, incl. any incompatibilities:	Store in a cool, dry place away from direct sunlight and incompatible materials.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Component	Exposure Limit	Basis	Entity
Basil Oil	N/A	N/A	N/A

Personal Protection

Eyes:	Wear safety glasses with side shields
Inhalation:	Use in a well-ventilated area
Skin:	Wear protective gloves and appropriate clothing
Ingestion:	Do not ingest

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance, Physical State:	Pale yellow to amber-colored liquid.	Vapour Pressure:	0.03 mmHg at 20°C
Odour:	Sweet, vaguely anise-like smoky odor	Density:	0.88-0.90 g/cm ³ at 20°C
Color:	Pale yellow to amber	Evaporation Rate:	Not available
Molecular Weight: :	Not specified	Flammability:	Combustible
pH(1% sol. In water):	Not available	Upper /lower Explosive limit:	Not available
Boiling Point:	248°C (478.4°F)	Flash Point:	Approximately 63°C (145.4°F)
Melting Point:	Not available	Specific Gravity:	0.88-0.90
		Solubility:	Insoluble in water; soluble in alcohol and oils



SDS (Safety Data Sheet)

10 STABILITY AND REACTIVITY

Reactivity:	Not reactive under normal conditions.
Chemical Stability:	Stable under normal conditions of use and storage.
Hazardous Polymerization:	Does not occur
Condition To Avoid:	Avoid high temperatures and direct sunlight.
Incompatible Material:	Strong oxidizing agents, acids.
Hazardous Decomposition Products:	Carbon monoxide, carbon dioxide, and other toxic gases may form when burned

11 TOXICOLOGICAL INFORMATION

Acute Toxicity:	LD50 (oral, rat) is approximately 2000 mg/kg
Skin:	May cause skin irritation.
Eyes:	May cause eye irritation.
Respiratory:	May cause irritation if inhaled in large quantities.
Ingestion:	Harmful if swallowed; may cause nausea, vomiting, and abdominal pain.
Carcinogenicity:	N/A
Teratogenicity:	No significant teratogenic effects have been reported.
Germ Cell Mutagenicity:	Not classified as a mutagen.
Embryotoxicity:	N/A
Specific Target Organ Toxicity:	May cause damage to organs if exposed to high doses over time.
Reproductive Toxicity:	No evidence of reproductive toxicity.
Respiratory/Skin Sensitization:	May cause allergic skin reaction upon prolonged exposure.

12 ECOLOGICAL INFORMATION

Ecotoxicity

Aquatic Vertebrate:	No data available.
Aquatic Invertebrate:	No data available.
Terrestrial:	No data available.

Persistence and Degradability:	Basil oil is biodegradable and does not accumulate in soil or water, minimizing long-term environmental impact.
Bioaccumulative Potential:	Not expected to bioaccumulate in organisms.
Mobility in Soil:	Basil oil exhibits low mobility in soil, reducing the risk of leaching into groundwater.
PBT and vPvB Assessment:	Not classified as a persistent, bioaccumulative, and toxic (PBT) or very persistent and very bioaccumulative (vPvB) substance.
Other Adverse Effects:	Avoid release to the environment to prevent potential adverse effects.

13 DISPOSAL CONSIDERATIONS

Water Residue:	Dispose of in accordance with local environmental regulations
Product Containers:	Dispose of contents/container in a safe manner following local regulations

The information in section 13 is for the product as shipped. Use and/or alterations to the product may change the characteristics of the material and alter the waste classification and proper disposal methods.

14 TRANSPORT INFORMATION

DOP(Dept. Of Transport, India):	N/A
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TDG(Transport Of Dangerous Goods, India):	N/A
IMDG(International Maritime Dangerous Goods:	N/A
IATA(International Air Transport Association):	N/A
ICAO(International Civil Aviation Organization):	N/A

15 REGULATORY INFORMATION

No regulatory Information Available

16 OTHER INFORMATION

Revision Date: March 2024

Compliance: This document has been prepared in accordance with the SDS requirements

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 other process. Such information is to be the best of the company's knowledge and believed accurate and reliable as of the date indicated.

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