


MATERIAL SAFETY DATA SHEET
In accordance with Regulation (EC) No. 1907/2006

1. Product Identification	
Product Name:	Mandarin Oil
Botanical Name:	Citrus Reticulata
CAS #	8008-31-9
EC No.	284-521-0
Country of Origin:	India

2. Hazards identification	
Classification under Regulation (EC) No 1271/2008	
Class and Category of Danger:	Flam. Liq. 3
	Asp. Tox. 1
	Skin Irrit. 2
	Skin Sens. 1
	Aquatic Acute 1
	Aquatic Chronic 1
	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
	H411, Toxic to aquatic life with long lasting effects
Signal Word:	DANGER
Classification in accordance with Regulation (EC) No. 1272/2008 (EU-GHS/CLP)	
Hazard Pictograms:	
Precautionary Statements:	P210, Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
	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 to ...

3. Composition/ Information on Ingredients

Contains:				
Name	CAS	%	DSD	CLP
Mandarin Oil	8008-31-9	100 %	Xi; R38,R43	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, , H411, Toxic to aquatic life with long lasting effects,

4. First Aid Measures

Eye Contact:	Flush with water for at least 15 minutes and report to physician.
Inhalation:	Remove to fresh air. Avoid casual breathing.
Ingestion:	Rinse mouth and consult physician immediately.
Skin Contact:	Remove contaminated clothing. Wash with soap and plenty of water.

5. Fire Fighting Measures

Extinguishing Media:	CO2, Dry Chemical, Foam
Advise:	In case of insufficient ventilation, wear suitable respiratory equipment

6. Accidental Release Measures

Spillage:	Absorb spills using an inert, inorganic absorbent material
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Fire:	Recommended extinguishing media – CO2, foam and dry chemicals
Environment:	Keep away from drains, surface and ground water
Storage:	Store in cool, dry, well ventilated area away from sources of flame, heat and oxidation

7. Handling and Storage

Precautions:	Keep away from heat, sparks, open flames and hot surfaces. No smoking.
Storage:	Store in a well-ventilated, cool place with container tightly closed. Ground/bond container and receiving equipment

8. Exposure Controls/Personal Protection

Workplace Exposure Limits:	N/a
Eye/Skin protection:	Wear protective gloves/ eye protection/face protection
Respiratory protection:	Under normal conditions of use and where adequate ventilation is available to prevent build up of excessive vapour, this material should not require special engineering controls. However, in conditions of high or prolonged use, or high temperature or other conditions which increase exposure, the following engineering controls can be used to minimise exposure to personnel: a) Increase ventilation of the area with local exhaust ventilation b) Personnel can use an approved, appropriately fitted respirator with organic vapour cartridge or canisters and particulate filters c) Use closed systems for transferring and processing this material.

9. Physical and chemical properties

Appearance:	Orange yellow to dark orange liquid
Odor:	Characteristic sweet citrus odor
Solubility:	Soluble in alcohol and oils. Insoluble in water
Specific Gravity:	0.847 to 0.855@ 20°C
Refractive Index:	1.470 to 1.475@ 20°C
Flash Point:	80°C

10. Reactivity/Stability Data

Reactivity:	Stable
Chemical Stability:	Stable
Decomposition:	N/a
Conditions to Avoid:	Avoid extreme heat and avoid contact with strong acids, alkalis or oxidizing agents

11. Toxicological Properties/Information

Causes skin irritation. May cause an allergic skin reaction.

Causes serious eye irritation.

12. Ecological information

Toxicity:	N/a
Persistence and degradability:	N/a
Bioaccumulative potential:	N/a
Mobility in soil:	N/a
Results of PBT and vPVB assessment:	This substance does not meet the PBT/ vPVB criteria of REACH , annex XIII
Other adverse effects:	N/a

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.
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14. Transport Information

UN Number:	-
Shipping Name:	Mandarin Oil
Hazard Class:	-
Packing Group:	-

15. Regulatory information

None Additional

16. Other information

N/A

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