

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION

Product Name : Turmeric Root oil
Category of product : Essential oil
Description : The product is Natural and is obtained by the Steam Distillation dried tubers of *Curcuma Longa L*
Cas Number : 8024-37-1
Physical state : Liquid
Colour : Pale yellow to Orange yellow
Odour : A warm note of Turmeric
Company : Freshskin Beauty Limited
Grant House, Grant Street,
Nottingham, NG7 3SA
Phone: 0115 9284493
Email: info@freshskin.co.uk

2. COMPOSITION

<u>CAS NO</u>	<u>MAJOR INGREDIENTS</u>
99-83-2	Phellandrene
532-65-0	Turmerone

----- EC Classifications-----

SYMBOL(S)

Xi > Irritant

RISK PHRASES

R10 > Flammable
R36 > Irritating to eyes
R38 > Irritating to skin
R22 > Harmful if swallowed

SAFETY PHRASES

S16 > Keep away from sources of ignition - No smoking
S24 > Avoid contact with skin
S25 > Avoid contact with eyes

3. HAZARDS IDENTIFICATION

Risk Summary

Flammable, Harmful if swallowed.
It is irritating to eyes and skin.

4. FIRST AID MEASURES

Eye Contact

Flush with water for at least 15 minutes. If irritation develops, get medical attention

Skin contact

Remove contaminated clothing. Wash affected area with plenty of soap water. If irritation develops, get medical attention.

Inhalation

Seek fresh air immediately. If breathing is difficult, get medical attention.

Ingestion

Drink lot of water to dilute substance. Get medical attention.

5. FIRE FIGHTING MEASURES

Means to Extinguish

Carbon dioxide, dry chemical, foam. If water must be used, use as a spray only.

Unusual Fire/ Explosion Hazards

Flammable liquid. Avoid heat, sparks and open flames. Non explosive.

6. ACCIDENTAL RELEASE MEASURES

Personal precaution

Specifically given in section 8.

Environmental precautions

Do not discharge into streams, ponds or Public waters.

Cleanup Procedures

Small spills should be adsorbed by dirt, sand or other adsorbent. Large spills may be diked and pumped into closed containers for recovery or disposal.

7. HANDLING AND STORAGE

Handling

Wear safety glasses, rubber gloves and apron when handling.

Storage

Do not store in close proximity to heat, sparks, open flames, strong acids, and .
To minimise product degradation, avoid prolonged exposure of the material to
container tightly closed when not in use.

Shelf life

Not more than 3 years, when stored as recommended above.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

EXPOSURE CONTROLS:

Ventilation

Mechanical exhaust may be needed in confined and warm areas.

Safety Station

An eyewash and safety shower should be readily available.

Contaminated Equipment

Clean contaminated equipment with soap and water.

PERSONAL PROTECTION EQUIPMENT:

Eye Protection

As a precaution, wear safety glasses or goggles.

Hand protection

Wear standard industrial type rubber gloves.

Skin Protection

A rubber apron is recommended when handling large quantities of this material.

Respiratory protection

A respirator is not normally required. If vapor concentration is high use a organic
respirator.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: Volatile clear mobile liquid
Colour	: Pale yellow to Orange yellow
Odour	: A warm note of Turmeric
Boiling point	: Not determined
Vapour pressure	: Not determined
Flash point	: 208°C
Oxidising properties	: Not determined
Explosive properties	: Not explosive
Flammability limits	: Not determined
Specific gravity @ 25 ⁰ C	: Between 0.900 and 0.940
Refractive Index at 20°C	: Between 1.480 and 1.510
Optical rotation	: Between -22 ⁰ and +30 ⁰
Solubility in water (Weight %)	: < 0.5

10. STABILITY AND REACTIVITY

Conditions to Avoid

Prolonged or excessive heat and/or exposure to air may cause decomposition or oxidation of the material.

Materials to avoid

Contact with Chemicals may decompose the ingredients present in it. If possible avoid contact with all kinds of Chemical.

11. TOXICOLOGICAL INFORMATION

Not Available

12. ECOLOGICAL INFORMATION

Not Available

13. DISPOSAL CONSIDERATION

In event of spillage, the oil can be contained by sand or soil and absorbed by paper from which the oil will evaporate.

14. TRANSPORT INFORMATION

The oil can be safely stored or transported in sound metal drums or bottles at ambient temperatures. Store in full sealed containers, keep cool and protect from light to preserve quality, preferred container for long term storage - stainless steel or glass.

AIR FREIGHTS:

Air freights are done in conformance to latest IATA/ICAO regulations with the name and address of the notifying party on the cartons

15. REGULATORY INFORMATION

REGULATORY STATUS

The product is listed in CAS

CAS# 8024-37-1

The product is registered in FDA, Fema, FCC and in the council of Europe.

FDA NO # 182.10

Fema NO # 3085

Council of Europe NO# 163n

16. OTHER INFORMATION

REFERENCES

1. The Essential oils by Gunther Volume IV
2. Wealth Asia disk 2.2(Publication of CSIR, India)
3. Essential oils 1976- 1978 by Dr. Brain M Lawrence
4. Food Chemical codex
5. Source Book of Flavours by Gary Reineccius
6. Flavour Technology by Heath.

USES: The oil widely used as flavoring of spicy food products and to lesser extent, in perfumes of heavy oriental character

UPDATED ON 01/01/2017