

SAFETY DATA SHEET

In accordance with 29 CFR 1910.1200

Product: Turmeric Oil, India
Version: 1

1. IDENTIFICATION

Product Identifier

Product identifier: Turmeric Oil, India; CAS: 8024-37-1
Other identifiers: Turmeric Oil, India CurLon2 Curcuma longa

Recommended use of the chemical and restrictions on use

Product uses: Essential Oil

Supplier Details

Company name: Artisan Aromatics
Company address: 1708 Lena Street, #103
Santa Fe, NM 87505
Contact: Stephanie Ariel
E-Mail address: hello@artisanaromatics.com
Company phone: 505-231-9439

Emergency telephone number

Emergency phone: ChemTel: 1-800-255-3924 (Domestic)

2. HAZARD IDENTIFICATION

Classification

This product is classified under 29CFR 1910.1200(d) as follows:

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Class and category of danger: Sensitization - Skin Category 1
Aspiration Hazard Category 1

Signal word: Danger

Hazard statements: May be fatal if swallowed and enters airways.
May cause an allergic skin reaction.

M factor: None

Pictograms:



Precautionary statements: Avoid breathing vapour or dust.
Contaminated work clothing should not be allowed out of the workplace.
Wear protective gloves/eye protection/face protection.

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IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
IF ON SKIN: Wash with plenty of soap and water.
Do not induce vomiting.
If skin irritation or rash occurs: Get medical advice/attention.
Wash contaminated clothing before reuse.
Store locked up.
Dispose of contents/container to approved disposal site, in accordance with local regulations.

Hazards not otherwise classified (HNOC) None

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substances

Product identifier: Turmeric Oil, India; CAS: 8024-37-1

Contains:

Name	CAS	%	GHS Classification
Eucalyptol	470-82-6	1-<5%	Flam. Liq. 3-Skin Sens. 1B;H226-H317
l-.beta.-Bisabolene	495-61-4	1-<5%	Skin Irrit. 2-Skin Sens. 1B-Asp. Tox 1; H304-H315-H317

The exact percentage concentrations of components are being withheld as a trade secret.

4. FIRST-AID MEASURES

Description of first aid measures

Inhalation: Remove from exposure site to fresh air, keep at rest, and obtain medical attention.
Eye exposure: Flush immediately with water for at least 15 minutes. Contact physician if symptoms persist.
Skin exposure: IF ON SKIN: Wash with plenty of soap and water.
Ingestion: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

Most important symptoms and effects, both acute and delayed

May be fatal if swallowed and enters airways.
May cause an allergic skin reaction.

Indication of immediate medical attention and special treatment needed, if necessary

Treat symptomatically

5. FIRE-FIGHTING MEASURES

Extinguishing media

Suitable media: Carbon dioxide, Dry chemical, Foam.

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Specific hazards arising from the chemical

In case of fire, may be liberated: Carbon monoxide, Unidentified organic compounds.

Protective Equipment and Precautions for Firefighters

In case of insufficient ventilation, wear suitable respiratory equipment.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Avoid inhalation. Avoid contact with skin and eyes. See protective measures under Section 7 and 8.

Methods and material for containment and cleaning up:

Remove ignition sources. Provide adequate ventilation. Avoid excessive inhalation of vapours. Contain spillage immediately by use of sand or inert powder. Dispose of according to local regulations.

7. HANDLING AND STORAGE

Precautions for safe handling:

Keep away from heat, sparks, open flames and hot surfaces. - No smoking. Use personal protective equipment as required. Use in accordance with good manufacturing and industrial hygiene practices. Use in areas with adequate ventilation. Do not eat, drink or smoke when using this product.

Conditions for safe storage, including any incompatibilities:

Store in a well-ventilated place. Keep container tightly closed. Keep cool. Ground/bond container and receiving equipment. Use explosion-proof electrical, ventilating and lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure guidelines

This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Other exposure guidelines

No information available

Exposure controls

Engineering measures

Showers, eyewash stations, ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/Face and Skin Protection



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Wear protective gloves/eye protection/face protection, and suitable protective clothing

Respiratory protection

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations. A NIOSH-approved air-purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air-purifying respirators is limited. Use a positive pressure, air-supplied respirator if there is any potential for uncontrolled release, exposure levels are not known or any other circumstances where air-purifying respirators may not provide adequate protection.

Hygiene measures

Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical and chemical properties

Appearance:	Not determined
Odor:	Not determined
Odor threshold:	Not determined
pH:	Not determined
Melting point / freezing point:	Not determined
Initial boiling point / range:	Not determined
Flash point:	208 °F / 98 °C
Evaporation rate:	Not determined
Flammability (solid, gas):	Not determined
Upper/lower flammability or explosive limits:	Product does not present an explosion hazard
Vapor pressure:	Not determined
Vapor density:	Not determined
Relative density:	Not determined
Solubility(ies):	Not determined
Partition coefficient: n-octanol/water:	Not determined
Auto-ignition temperature:	Not determined
Decomposition temperature:	Not determined
Viscosity:	Not determined
<u>Other information:</u>	None available

10. STABILITY AND REACTIVITY

Reactivity:

Presents no significant reactivity hazard, by itself or in contact with water.



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Chemical stability:

Good stability under normal storage conditions.

Possibility of hazardous reactions:

Not expected under normal conditions of use.

Conditions to avoid:

Avoid extreme heat.

Incompatible materials:

Avoid contact with strong acids, alkalis or oxidising agents.

Hazardous decomposition products:

Not expected.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute Toxicity:	Based on available data the classification criteria are not met.
Acute Toxicity Oral	>5000
Acute Toxicity Dermal	Not Applicable
Acute Toxicity Inhalation	Not Available
Skin corrosion/irritation:	Based on available data the classification criteria are not met.
Serious eye damage/irritation:	Based on available data the classification criteria are not met.
Respiratory or skin sensitisation:	Sensitization - Skin Category 1
Germ cell mutagenicity:	Based on available data the classification criteria are not met.
Carcinogenicity:	Based on available data the classification criteria are not met.
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:	

Additional Information None available

12. ECOLOGICAL INFORMATION

Ecotoxicity:

Harmful to aquatic life with long lasting effects.

Persistence and degradability: Not available

Bioaccumulative potential: Not available

Mobility in soil: Not available



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Other adverse effects: Not available

13. DISPOSAL CONSIDERATIONS

Waste treatment

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

	14.1 UN number:	14.2 UN Proper Shipping Name:	14.3 Transport hazard class(es):	Sub Risk:	14.4. Packing Group:
UN Model Regulations	Not classified	-	-	-	-
US DOT	Not classified	-	-	-	-
US DOT (Bulk)	Not classified	-	-	-	-
IMDG	Not classified	-	-	-	-
ADR,RID,ADN	Not classified	-	-	-	-
ICAO TI	Not classified	-	-	-	-

US DOT refers to domestic transport by road/rail within the 48 ground states

US DOT (Bulk) refers to domestic bulk transport by road/rail within the 48 ground states.

Environmental hazards: Not environmentally hazardous for transport

Special precautions for user: None additional

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:

Not classified

15. REGULATORY INFORMATION

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

RIFM ID Number: -A2.13

LM Unique Identifier: LM9561

Additional information

None additional



Artisan
AROMATICS

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16. OTHER INFORMATION

Issue date: 02/24/2023

Version: 1 Version Date: 02/24/2023

Key to revisions:

Not applicable

The information in this safety data sheet is to the best of our knowledge true and accurate but all data, instructions, recommendations and/or suggestions are made without guarantee.

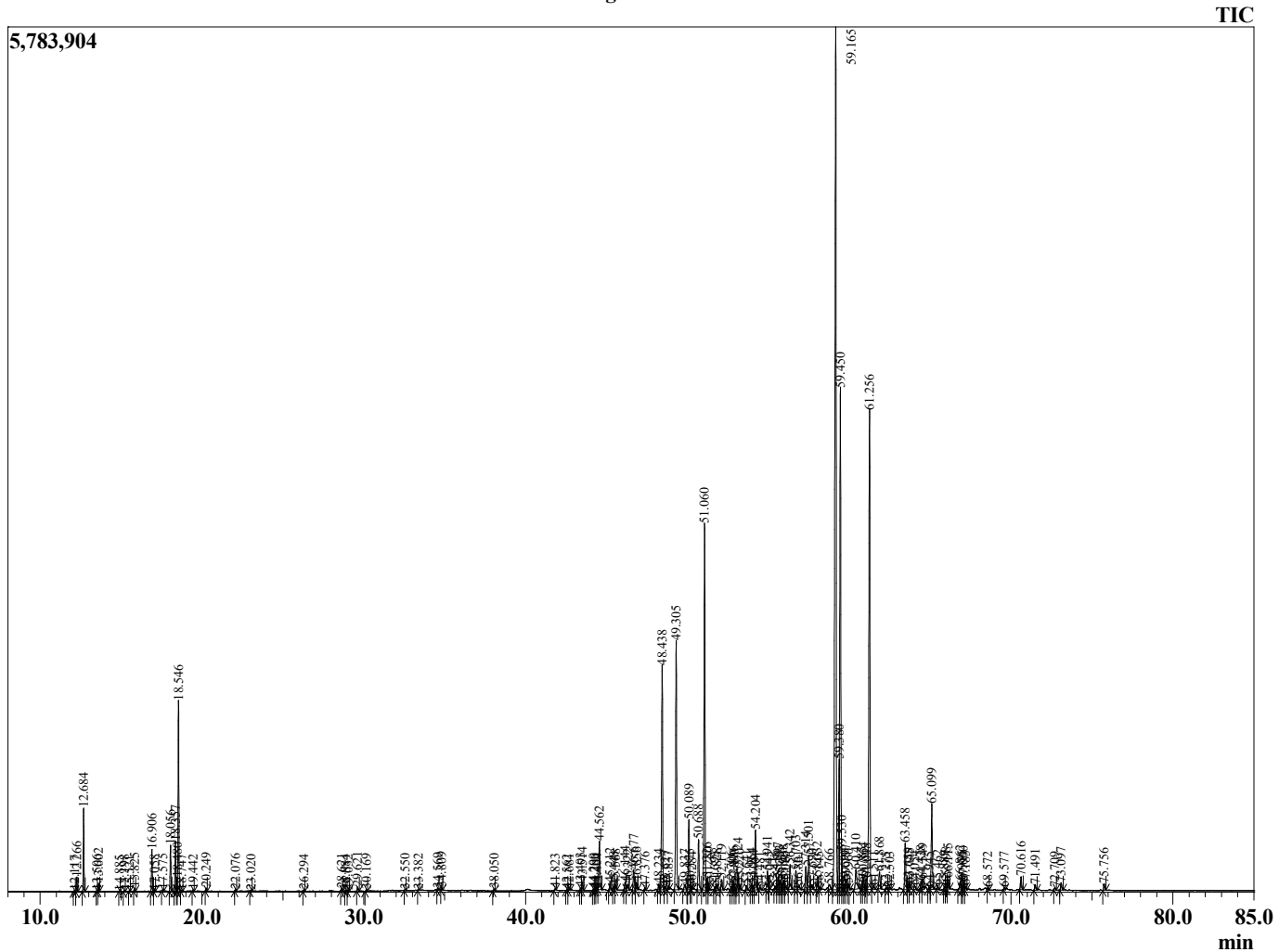
Sample Information

Analyzed by : E. Pappas
 Analyzed : 8/23/2022 8:39:39 PM
 Sample Type : Essential Oil
 Sample Name : CurLon2
 Injection Volume : 0.10 µL
 Lot Number : L0F0819A
 Instrument ID : GC-3

Peak Report TIC

R.Time	Name	Area%
12.117	Tricyclene	0.01
12.266	alpha-Thujene	0.22
12.684	alpha-Pinene	1.24
13.506	alpha-Fenchene	0.01
13.602	Camphene	0.12
14.885	Sabinene	0.01
15.198	beta-Pinene	0.02
15.521	6-Methyl hept-5-en-2-one	0.01
15.825	Myrcene	0.06
16.906	alpha-Phellandrene	0.70
17.058	delta-3-Carene	0.02
17.575	alpha-Terpinene	0.03
18.056	para-Cymene	0.81
18.357	Limonene	0.88
18.480	beta-Phellandrene	0.18
18.546	1,8-Cineole	3.34
18.747	cis-beta-Ocimene	0.01
19.442	trans-beta-Ocimene	0.02
20.249	gamma-Terpinene	0.05
22.076	Terpinolene	0.03
23.020	Linalool	0.01
26.294	Camphor	0.02
28.621	Terpinen-4-ol	0.04
28.884	4'-Methyl acetophenone	0.02
29.032	para-Cymen-8-ol	0.02
29.621	alpha-Terpineol	0.08
30.169	alpha-Phellandrene epoxide	0.04
32.550	Neral	0.02
33.382	Geraniol	0.03
34.569	Geranial	0.04
34.809	Unidentified	0.05
38.050	Unidentified	0.04
41.823	Unidentified	0.03
42.562	7-epi-Sesquithujene	0.01
42.681	beta-Elemene	0.02
43.403	Unidentified	0.05
43.514	alpha-Funebrene	0.19
44.200	cis-alpha-Bergamotene	0.03
44.286	Acora-3,7(14)-diene	0.02
44.404	alpha-Cedrene	0.02
44.562	alpha-Santalene	1.19
45.212	gamma-Elemene	0.14
45.448	trans-alpha-Bergamotene	0.06
45.568	Unidentified	0.12
46.144	cis-beta-Farnesene	0.17
46.322	epi-beta-Santalene	0.16
46.677	trans-beta-Farnesene	0.49
46.856	alpha-Humulene	0.19
47.376	beta-Acoradiene	0.06
48.234	gamma-Curcumene	0.11
48.438	Ar-Curcumene	5.08
48.627	trans-beta-Bergamotene	0.07
48.837	Unidentified	0.08
49.305	alpha-Zingiberene	5.50
49.837	Unidentified + E,E-alpha-Farnesene	0.16
50.089	beta-Bisabolene	1.60
50.175	beta-Curcumene	0.09
50.284	alpha-Alaskene	0.03
50.688	Unidentified	1.18
51.060	beta-Sesquiphellandrene	8.09
51.226	trans-gamma-Bisabolene	0.27
51.280	Unidentified	0.10

Chromatogram CurLon2



R.Time	Name	Area%
51.693	Unidentified	0.07
51.828	Selina-4(15),7(11)-diene	0.14
52.119	Selina-3,7(11)-diene	0.24
52.706	Unidentified	0.08
52.836	Sesquisabinene hydrate isomer	0.21
52.890	Unidentified	0.08
53.124	Germacrene B	0.39
53.220	Unidentified	0.11
53.641	Unidentified	0.11
53.964	Unidentified	0.13
54.084	Unidentified	0.10
54.204	Ar-Tumerol	1.54
54.481	Caryophyllene oxide	0.06
54.941	Unidentified	0.46
55.045	Unidentified	0.02
55.416	Unidentified	0.07
55.597	Unidentified	0.28
55.723	Unidentified	0.23
55.856	Unidentified	0.13
55.938	Unidentified	0.23
56.060	Unidentified	0.08
56.342	cis-Zingiberenol	0.60
56.703	anti-syn-syn-Helifolen-12-al C	0.43
56.861	Unidentified	0.14
57.314	trans-Zingiberenol	0.54
57.501	Unidentified	0.85
57.690	Unidentified	0.13
58.032	Unidentified	0.30
58.145	Unidentified	0.04
58.766	Unidentified	0.16
59.165	Ar-Tumerone	24.62
59.380	Deodarone isomer	1.88
59.450	Tumerone	11.52
59.530	beta-Bisabolol	0.49
59.690	Unidentified	0.13
59.797	Unidentified	0.23
59.960	trans-alpha-trans-Bergamotal	0.13
60.410	Unidentified	0.67
60.785	Germacrone	0.14
60.864	Unidentified	0.28
61.048	Curlone analogue	0.27
61.256	Curlone	11.71
61.511	Unidentified	0.09
61.868	cis-alpha-Atlantone	0.41
62.275	Unidentified	0.04
62.503	cis-Nuciferol	0.07
63.458	Unidentified	1.08
63.659	Unidentified	0.14
63.745	Unidentified	0.13
64.054	Unidentified	0.11
64.438	Unidentified	0.19
64.549	Unidentified	0.25
64.945	Unidentified	0.07
65.099	trans-alpha-Atlantone	1.93
65.462	Unidentified	0.08
65.889	Unidentified	0.05
65.998	Unidentified	0.13
66.115	Unidentified	0.24
66.862	Unidentified	0.23
66.975	Unidentified	0.06
67.060	Unidentified	0.18
67.183	Unidentified	0.08
68.572	Unidentified	0.04

R.Time	Name	Area%
69.577	Unidentified	0.04
70.616	Unidentified	0.29
71.491	Unidentified	0.13
72.709	Unidentified	0.06
73.097	Unidentified	0.18
75.756	Unidentified	0.15
		100.00