



Artisan Aromatics
1708 Lena Street, #103
Santa Fe, NM 87505
(505) 231-9439

SAFETY DATA SHEET

In accordance with 29 CFR 1910.1200

Product: Ginger Oil, China

Version: 1

1. IDENTIFICATION

Product Identifier

Product identifier: Ginger Oil, China; CAS: 8007-08-7

Other identifiers: Ginger Oil, China ZinOff1 Zingiber officinale

Recommended use of the chemical and restrictions on use

Product uses: Essential Oil

Supplier Details

Company name: Artisan Aromatics

Company address: 1708 Lena St, #103
Santa Fe, NM 87505 USA

Contact: Stephanie Ariel
hello@artisanaromatics.com

E-Mail address:

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 Flammable Liquid, Hazard Category 4

danger: Eye Damage / Irritation Category 2A

Sensitization - Skin Category 1

Aspiration Hazard Category 1

Signal word: Danger

Hazard statements: Combustible liquid.

May be fatal if swallowed and enters airways.

May cause an allergic skin reaction.

Causes serious eye irritation.

M factor: None

SAFETY DATA SHEET

In accordance with 29 CFR 1910.1200

Product: Ginger Oil, China

Version: 1

Pictograms:



Precautionary statements:

Keep away from heat, sparks, open flames and hot surfaces. - No smoking.
Avoid breathing vapour or dust.
Wash hands and other contacted skin thoroughly after handling.
Contaminated work clothing should not be allowed out of the workplace.
Wear protective gloves/eye protection/face protection.
IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
IF ON SKIN: Wash with plenty of soap and water.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Do not induce vomiting.
If skin irritation or rash occurs: Get medical advice/attention.
If eye irritation persists: Get medical advice/attention.
Wash contaminated clothing before reuse.
In case of fire: Use carbon dioxide, dry chemical, foam for extinction.
Store in a well-ventilated place. Keep cool.
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: Ginger Oil, China; CAS: 8007-08-7

SAFETY DATA SHEET

In accordance with 29 CFR 1910.1200

Product: Ginger Oil, China

Version: 1

Contains:

Name	CAS	%	GHS Classification
Camphene	79-92-5	5-<10%	Flam. Liq. 3-Flam. Sol. 2-Eye Irrit. 2B; H226-H228-H320
Eucalyptol	470-82-6	1-<5%	Flam. Liq. 3-Skin Irrit. 1B;H226-H317
d-Limonene	5989-27-5	1-<5%	Flam. Liq. 3-Skin Irrit. 2-Skin Sens. 1B-Asp. Tox 1;H226-H304-H315-H317
alpha-Pinene	80-56-8	1-<5%	Flam. Liq. 3-Acute Tox. 4-Skin Irrit. 2-Skin Sens. 1B-Asp. Tox 1;H226-H302-H304-H315-H317
Geranyl acetate	105-87-3	0.1-<1%	Skin Irrit. 2-Skin Sens. 1;H315-H317
Geraniol	106-24-1	0.1-<1%	Skin Irrit. 2-Eye Dam. 1-Skin Sens. 1; H315-H317-H318
Linalool	78-70-6	0.1-<1%	Flam. Liq. 4-Skin Irrit. 2-Eye Irrit. 2A-Skin Sens. 1B;H227-H315-H317-H319
beta-Pinene	127-91-3	0.1-<1%	Flam. Liq. 3-Skin Irrit. 2-Skin Sens. 1B-Asp. Tox 1;H226-H304-H315-H317
Terpinolene	586-62-9	0.1-<1%	Flam. Liq. 4-Skin Sens. 1B-Asp. Tox 1; H227-H304-H317
Citronellol	1117-61-9, 26489-01-0, 6812-78-8, 141-25-3, 68916-43-8, 7540-51-4, 106-22-9	0.1-<1%	Eye Irrit. 2A-Skin Sens. 1B;H317-H319
Citral	5392-40-5	0.1-<1%	Skin Irrit. 2-Eye Irrit. 2A-Skin Sens. 1; H315-H317-H319
dl-Camphor	21368-68-3	0.1-<1%	Flam. Liq. 4-Flam. Sol. 2-Acute Tox. 4-Acute Tox. 4-STOT SE 2;H227-H228-H302-H332-H371
delta-3-Carene	13466-78-9	<0.1%	Flam. Liq. 3-Skin Irrit. 2-Skin Sens. 1-Asp. Tox 1;H226-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.
- Causes serious eye irritation.

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

Treat symptomatically

SAFETY DATA SHEET

In accordance with 29 CFR 1910.1200

Product: Ginger Oil, China

Version: 1

5. FIRE-FIGHTING MEASURES

Extinguishing media

Suitable media: Carbon dioxide, Dry chemical, Foam.

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

SAFETY DATA SHEET

In accordance with 29 CFR 1910.1200

Product: Ginger Oil, China

Version: 1

Showers, eyewash stations, ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/Face and Skin Protection

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:	149 °F / 65 °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

SAFETY DATA SHEET

In accordance with 29 CFR 1910.1200

Product: Ginger Oil, China
Version: 1

10. STABILITY AND REACTIVITY

Reactivity:

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

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:	Eye Damage / Irritation Category 2A
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:

Toxic to aquatic life with long lasting effects.

SAFETY DATA SHEET

In accordance with 29 CFR 1910.1200

Product: Ginger Oil, China

Version: 1

Persistence and degradability: Not available

Bioaccumulative potential: Not available

Mobility in soil: Not available

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	UN3082	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Camphene, d-Limonene)	9	-	III
US DOT	None	-			-
US DOT (Bulk)	None	-			-
IMDG	UN3082	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Camphene, d-Limonene) MARINE POLLUTANT	9	-	III
ADR,RID,ADN	UN3082	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Camphene, d-Limonene)	9	-	III
ICAO TI	UN3082	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Camphene, d-Limonene)	9	-	III

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: This is an environmentally hazardous substance.

Special precautions for user: None additional

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

Not applicable

SAFETY DATA SHEET

In accordance with 29 CFR 1910.1200

Product: Ginger Oil, China

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15. REGULATORY INFORMATION

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

RIFM ID Number: 335-A2.12

LM Unique Identifier: LM7903

Additional information

None additional

16. OTHER INFORMATION

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.

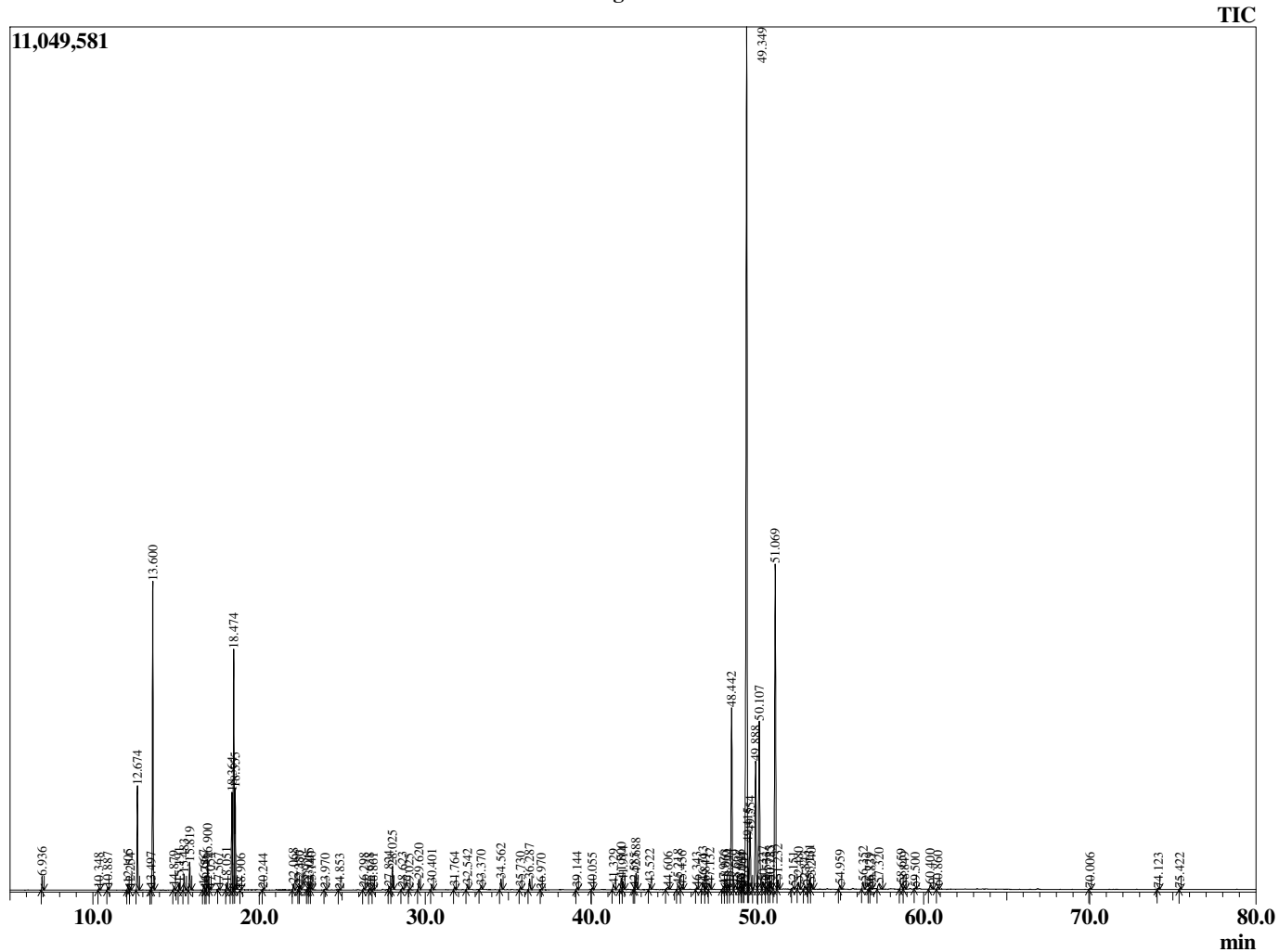
Sample Information

Analyzed by : A. Mattingly
 Analyzed : 5/17/2021 6:00:31 PM
 Sample Type : Essential Oil
 Sample Name : ZinOff1
 Injection Volume : 0.10
 Lot Number : H0E0514A
 Instrument ID : GC-3

Peak Report TIC

R.Time	Name	Area%
6.936	Hexanal	0.27
10.348	2-Heptanone	0.04
10.887	2-Heptanol	0.06
12.105	Tricyclene	0.14
12.254	alpha-Thujene	0.04
12.674	alpha-Pinene	2.46
13.497	alpha-Fenchene	0.06
13.600	Camphene	7.60
14.879	Sabinene	0.08
15.191	beta-Pinene	0.19
15.483	6-Methyl hept-5-en-2-one	0.43
15.819	Myrcene	0.73
16.667	Octanal	0.12
16.756	Pseudolimonene	0.03
16.900	alpha-Phellandrene	0.82
17.054	delta-3-Carene	0.03
17.567	alpha-Terpinene	0.05
18.051	para-Cymene	0.20
18.364	Limonene	2.74
18.474	beta-Phellandrene	6.80
18.555	1,8-Cineole	2.59
18.906	Unidentified	0.02
20.244	gamma-Terpinene	0.03
22.068	Terpinolene	0.17
22.386	2-Nonanone	0.10
22.477	Rosefuran	0.13
22.928	Unidentified	0.06
23.015	Linalool	0.21
23.140	2-Nonanol	0.07
23.970	Unidentified	0.04
24.853	Unidentified	0.03
26.298	Camphor	0.05
26.638	Citronellal	0.05
26.861	trans-beta-Terpineol	0.04
27.824	Isoborneol	0.10
28.025	Borneol	0.73
28.623	Terpinen-4-ol	0.07
29.025	Unidentified	0.02
29.620	alpha-Terpineol	0.36
30.401	Decanal	0.19
31.764	Citronellol	0.09
32.542	Neral	0.17
33.370	Geraniol	0.14
34.562	Geranial	0.34
35.730	Bornyl acetate	0.08
36.287	2-Undecanone	0.36
36.970	Unidentified	0.02
39.144	delta-Elementene	0.08
40.055	Citronellyl acetate	0.05
41.329	Cyclosativene	0.23
41.800	alpha-Copaene	0.40
41.914	Geranyl acetate	0.26
42.585	Unidentified	0.04
42.688	beta-Elementene	0.56
43.522	Sesquithujene isomer	0.19
44.606	trans-beta-Caryophyllene	0.13
45.218	gamma-Elementene	0.18
45.456	trans-alpha-Bergamotene	0.09
46.343	Aromadendrene	0.07
46.713	(E)-beta-Farnesene	0.34
46.849	alpha-Humulene	0.02
47.132	Alloaromadendrene	0.19

Chromatogram ZinOff1



R.Time	Name	Area%
47.976	Unidentified	0.12
48.063	trans-Cadina-1(6),4-diene	0.22
48.244	gamma-Curcumene	0.20
48.442	Ar-Curcumene	6.36
48.669	beta-Chamigrene	0.20
48.946	beta-Selinene	0.11
49.064	Unidentified	0.05
49.147	Valencene	0.07
49.349	alpha-Zingiberene	32.20
49.415	alpha-Selinene	0.74
49.554	trans-Murrola-4(14),5-diene	2.12
49.888	(E,E)-alpha-Farnesene	4.42
50.107	beta-Bisabolene	6.10
50.327	Unidentified	0.32
50.533	Unidentified	0.05
50.725	delta-Amorphene	0.23
50.783	(-)-alpha-Panasinsen	0.28
51.069	beta-Sesquiphellandrene	11.40
51.232	(E)-gamma-Bisabolene	0.32
52.151	Unidentified	0.08
52.480	alpha-Elemol	0.23
52.843	cis-Sesquisabinene hydrate	0.11
53.131	Germacrene B	0.33
53.240	(E)-Nerolidol	0.21
54.959	trans-Sesquisabinene hydrate	0.14
56.352	cis-Zingiberenol	0.26
56.729	Unidentified	0.03
56.831	10-epi-gamma-Eudesmol	0.04
57.320	Unidentified	0.31
58.659	alpha-Eudesmol	0.25
58.849	Unidentified	0.09
59.500	beta-Bisabolol	0.03
60.400	Unidentified	0.23
60.860	Unidentified	0.09
70.006	Unidentified	0.02
74.123	Unidentified	0.04
75.422	Unidentified	0.02
		100.00