

## SAFETY DATA SHEET

In accordance with 29 CFR 1910.1200

**Product:** Ginger Lily Oil, India HedSpi2

**Version:** 1

### 1. IDENTIFICATION

#### Product Identifier

**Product identifier:** Ginger Lily Oil, India; CAS: 93455-95-9

**Other identifiers:** Hedychium spicatum

#### 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

hello@artisanaromatics.com

**E-Mail address:** 505 231-9439

**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:** Sensitization - Skin Category 1

**Signal word:** Warning

**Hazard statements:** Combustible liquid.

May cause an allergic skin reaction.

**M factor:** None

#### **Pictograms:**



#### **Precautionary statements:**

Keep away from heat, sparks, open flames and hot surfaces. - No smoking.

Avoid breathing vapour or dust.

Contaminated work clothing should not be allowed out of the workplace.

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Wear protective gloves/eye protection/face protection.  
IF ON SKIN: Wash with plenty of soap and water.  
If skin irritation or rash occurs: 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.  
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 Lily Oil, India; CAS: 93455-95-9

#### **Contains:**

Name	CAS	%	GHS Classification
Eucalyptol	470-82-6	5-<10%	Flam. Liq. 3-Skin Sens. 1B;H226-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:** Rinse mouth with water and obtain medical attention.

#### Most important symptoms and effects, both acute and delayed

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.

#### Specific hazards arising from the chemical

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

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### **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**

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

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### 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

<b>Appearance:</b>	Not determined
<b>Odor:</b>	Not determined
<b>Odor threshold:</b>	Not determined
<b>pH:</b>	Not determined
<b>Melting point / freezing point:</b>	Not determined
<b>Initial boiling point / range:</b>	Not determined
<b>Flash point:</b>	180 °F / 82 °C
<b>Evaporation rate:</b>	Not determined
<b>Flammability (solid, gas):</b>	Not determined
<b>Upper/lower flammability or explosive limits:</b>	Product does not present an explosion hazard
<b>Vapor pressure:</b>	Not determined
<b>Vapor density:</b>	Not determined
<b>Relative density:</b>	Not determined
<b>Solubility(ies):</b>	Not determined
<b>Partition coefficient: n-octanol/water:</b>	Not determined
<b>Auto-ignition temperature:</b>	Not determined
<b>Decomposition temperature:</b>	Not determined
<b>Viscosity:</b>	Not determined
<b><u>Other information:</u></b>	None available

## 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.

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**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**

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

**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

**Other adverse effects:** Not available

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### 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)	NA1993		Comb liq	-	-
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**

None additional

**Additional information**

None additional

### 16. OTHER INFORMATION

Issue date: 08/17/2023

Version: 1 Version Date: 08/17/2023

**Key to revisions:**



**Artisan**  
AROMATICS

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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.

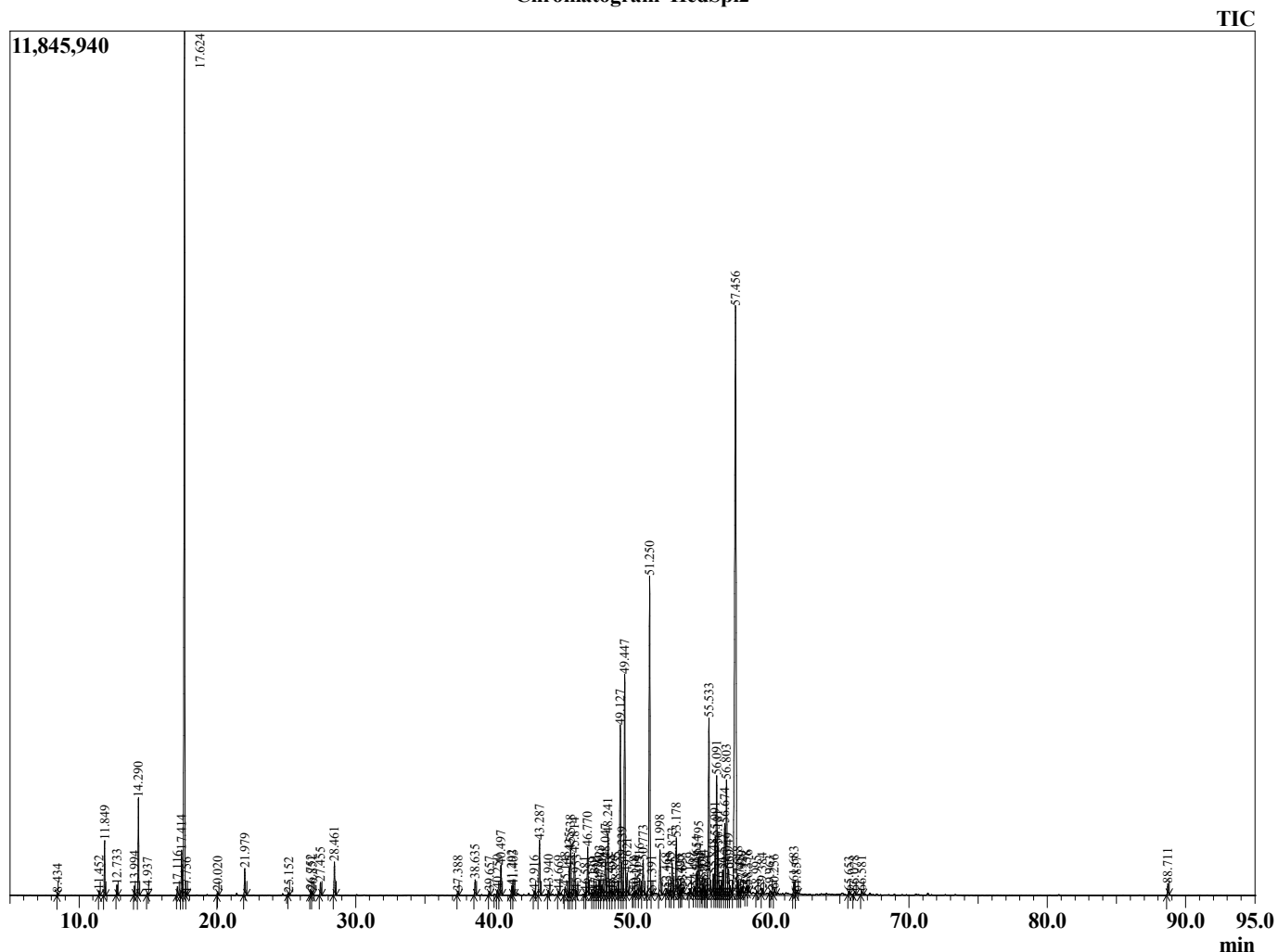
# Sample Information

Analyzed by : T. Wortham  
 Analyzed : 8/2/2022 10:31:52 AM  
 Sample Type : Essential Oil  
 Sample Name : HedSpi2  
 Injection Volume : 0.10 µL  
 Lot Number : G2F0802F  
 Instrument : GC-2

# Peak Report TIC

R.Time	Name	Area%
8.434	6,6-Dimethylhepta-2,4-diene	0.03
11.452	alpha-Thujene	0.07
11.849	alpha-Pinene	0.82
12.733	Camphene	0.16
13.994	Sabinene	0.15
14.290	beta-Pinene	1.59
14.937	Myrcene	0.05
17.116	para-Cymene	0.16
17.414	Limonene	0.91
17.624	1,8-Cineole	17.62
17.756	2,6-Dimethyl-5-heptenal (Melonal)	0.04
20.020	trans-Sabinene hydrate	0.07
21.979	Linalool	0.54
25.152	Camphor	0.04
26.752	delta-Terpineol	0.09
26.851	Borneol	0.07
27.455	Terpinen-4-ol	0.26
28.461	alpha-Terpineol	0.67
37.388	Unidentified isomer 1	0.09
38.635	alpha-Cubebene	0.33
39.657	Unidentified isomer 1	0.07
40.250	Unidentified	0.11
40.497	alpha-Copaene	0.67
41.292	beta-Cubebene	0.21
41.403	beta-Elementene	0.21
42.916	cis-alpha-Bergamotene	0.09
43.287	beta-Caryophyllene	1.26
43.940	beta-Copaene	0.11
44.669	6,9-Guaiaadiene	0.09
45.148	Unidentified	0.19
45.435	trans-beta-Farnesene	0.60
45.538	alpha-Humulene	1.00
45.814	Alloaromadendrene	0.93
45.953	cis-Muurola-4(14),5-diene	0.10
46.581	10-beta-H-Cadina-1(6),4-diene	0.06
46.770	trans-Cadina-1(6),4-diene	1.09
47.139	Germacrene D	0.05
47.301	Selina-4,11-diene	0.11
47.520	delta-Selinene	0.09
47.623	beta-Selinene	0.33
47.800	trans-Muurola-4(14),5-diene	0.28
48.047	epi-Cubebol	0.87
48.241	alpha-Murolene	1.40
48.438	Unidentified	0.12
48.594	beta-Dihydroagarofuran	0.11
48.835	beta-Bisabolene	0.22
49.127	gamma-Cadinene	3.96
49.239	Cubebol	0.67
49.447	delta-Cadinene	5.21
49.621	cis-Calamenene	0.53
50.118	Unidentified	0.05
50.269	trans-Cadina-1,4-diene	0.07
50.516	alpha-Cadinene	0.35
50.773	alpha-Calacorene	0.77
51.250	Elemol	7.99
51.391	Unidentified	0.07
51.998	(E)-Nerolidol	1.13
52.468	Unidentified	0.12
52.745	Unidentified	0.13
52.873	Spathulenol	0.69
53.178	Caryophyllene oxide	1.34
53.425	Unidentified	0.09

# Chromatogram HedSpi2



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R.Time	Name	Area%
53.497	Gleenol	0.05
53.633	Viridiflorol	0.12
54.169	Unidentified	0.13
54.486	Ledol	0.18
54.654	5-epi-7-epi-alpha-Eudesmol	0.53
54.795	Humulene epoxide II	0.97
54.969	Unidentified	0.12
55.134	1,10-di-Epicubenol	0.21
55.222	Unidentified	0.13
55.364	Unidentified	0.08
55.533	10-epi-gamma-Eudesmol	4.30
55.848	1-Epicubenol	0.52
55.991	Eremoligenol isomer	1.30
56.091	gamma-Eudesmol	3.03
56.181	Unidentified	1.08
56.312	Unidentified	0.22
56.527	Hinesol	0.59
56.674	tau-Cadinol	1.82
56.803	epi-alpha-Cadinol	2.88
56.949	delta-Cadinol	0.71
57.059	Unidentified	0.22
57.456	alpha-Eudesmol	21.40
57.618	Unidentified	0.32
57.743	7-epi-alpha-Eudesmol	0.06
57.929	Unidentified	0.16
58.238	Unidentified	0.17
58.376	Unidentified	0.13
58.995	Unidentified	0.04
59.384	Unidentified	0.14
59.963	Unidentified	0.08
60.256	Unidentified	0.14
61.683	Oplopanone	0.30
61.857	Unidentified	0.08
65.653	Unidentified	0.06
66.078	Cryptomeridiol	0.09
66.581	Unidentified	0.10
88.711	Unidentified	0.24
		100.00