

SAFETY DATA SHEET

In accordance with 29 CFR 1910.1200

Product: Galbanum Oil, Turkey

Version: 1

1. IDENTIFICATION

Product Identifier

Product identifier: Galbanum Oil, Turkey; CAS: 8023-91-4

Other identifiers: Galbanum Oil, Turkey FerGal2 Ferula galbaniflua

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 Flammable Liquid, Hazard Category 3
danger: Skin Corrosion / Irritation Category 2

Sensitization - Skin Category 1

Aspiration Hazard Category 1

Signal word: Danger

Hazard statements: Flammable liquid and vapour.
May be fatal if swallowed and enters airways.
Causes skin irritation.
May cause an allergic skin reaction.

M factor: None

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Pictograms:



Precautionary statements:

Keep away from heat, sparks, open flames and hot surfaces. - No smoking.
Keep container tightly closed.
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.
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 (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
Do not induce vomiting.
If skin irritation or rash occurs: Get medical advice/attention.
Take off contaminated clothing and wash 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: Galbanum Oil, Turkey; CAS: 8023-91-4

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Contains:

Name	CAS	%	GHS Classification
beta-Pinene	127-91-3	50-100%	Flam. Liq. 3-Skin Irrit. 2-Skin Sens. 1B-Asp. Tox 1;H226-H304-H315-H317
alpha-Pinene	80-56-8	10-<20%	Flam. Liq. 3-Acute Tox. 4-Skin Irrit. 2-Skin Sens. 1B-Asp. Tox 1;H226-H302-H304-H315-H317
delta-3-Carene	13466-78-9	1-<5%	Flam. Liq. 3-Skin Irrit. 2-Skin Sens. 1-Asp. Tox 1;H226-H304-H315-H317
Myrcene	123-35-3	1-<5%	Flam. Liq. 3-Skin Irrit. 2-Eye Irrit. 2A-Asp. Tox 1;H226-H304-H315-H319
Terpinolene	586-62-9	0.1-<1%	Flam. Liq. 4-Skin Sens. 1B-Asp. Tox 1;H227-H304-H317
Linalool	78-70-6	0.1-<1%	Flam. Liq. 4-Skin Irrit. 2-Eye Irrit. 2A-Skin Sens. 1B;H227-H315-H317-H319
Eucalyptol	470-82-6	0.1-<1%	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 (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
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.
 Causes skin irritation.
 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.

Protective Equipment and Precautions for Firefighters

In case of insufficient ventilation, wear suitable respiratory equipment.

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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.

Conditions for safe storage, including any incompatibilities:

Ground/bond container and receiving 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

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.

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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:	109 °F / 43 °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

Other information: 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.

Possibility of hazardous reactions:

Not expected under normal conditions of use.

Conditions to avoid:

Avoid extreme heat.

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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	2943
Acute Toxicity Dermal	Not Applicable
Acute Toxicity Inhalation	Not Available
Skin corrosion/irritation:	Skin Corrosion / Irritation Category 2
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:

Very toxic 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

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.

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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	UN1169	EXTRACTS, AROMATIC, LIQUID	3	-	III
US DOT	None	-			-
US DOT (Bulk)	NA1993	COMBUSTIBLE LIQUID, N.O.S. (beta-Pinene, alpha-Pinene)			III
IMDG	UN1169	EXTRACTS, AROMATIC, LIQUID (beta-Pinene) MARINE POLLUTANT	3	-	III
ADR,RID,ADN	UN1169	EXTRACTS, AROMATIC, LIQUID	3	-	III
ICAO TI	UN1169	EXTRACTS, AROMATIC, LIQUID	3	-	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

15. REGULATORY INFORMATION

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

RIFM ID Number: 216-K2.12

LM Unique Identifier: LM9033

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.

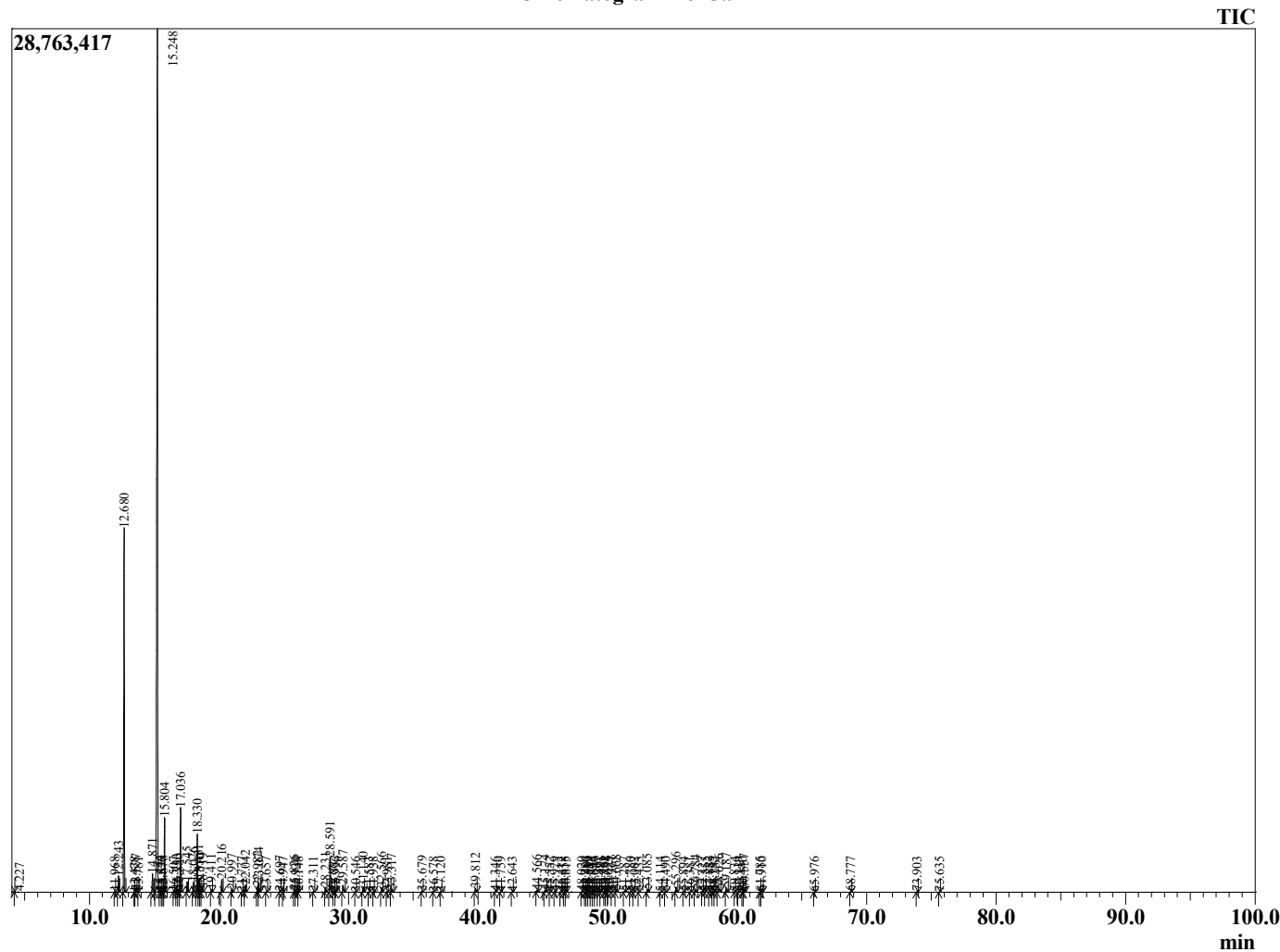
Sample Information

Analyzed by : E. Pappas
 Analyzed : 10/12/2022 12:47:29 AM
 Sample Type : Essential Oil
 Sample Name : FerGal2
 Injection Volume : 0.10 µL
 Lot Number : H0F1010E
 Instrument ID : GC-3

Peak Report TIC

R.Time	Name	Area%
4.227	Benzene	0.01
11.968	Hashishene	0.03
12.243	alpha-Thujene	0.68
12.680	alpha-Pinene	16.44
13.478	alpha-Fenchene	0.01
13.577	Camphene	0.11
13.781	Thuja-2,4(10)-diene	0.01
14.871	Sabinene	0.97
15.248	beta-Pinene	59.65
15.444	para-Menthene analogue	0.06
15.576	para-Menthene analogue	0.02
15.678	para-Menth-3-ene	0.04
15.804	Myrcene	3.45
16.507	1-para-Menthene analogue	0.02
16.733	Pseudolimonene	0.13
16.880	alpha-Phellandrene	0.13
17.036	delta-3-Carene	4.14
17.545	alpha-Terpinene	0.51
18.026	para-Cymene	0.48
18.330	Limonene	2.85
18.431	beta-Phellandrene	0.62
18.510	1,8-Cineole	0.11
18.719	cis-beta-Ocimene	0.20
19.411	trans-beta-Ocimene	0.14
20.216	gamma-Terpinene	0.66
20.997	trans-Sabinene hydrate	0.16
21.777	Isoterpinolene	0.02
22.042	Terpinolene	0.37
22.982	Linalool	0.29
23.074	cis-Sabinene hydrate	0.51
23.657	Thujol	0.03
24.697	cis-para-Menth-2-en-1-ol	0.04
24.947	allo-Ocimene	0.01
25.826	trans-Pinocarveol	0.09
25.930	trans-para-Menth-2-en-1-ol	0.04
26.148	trans-Verbenol	0.02
27.311	Pinocarpone	0.03
28.231	(3E,5Z)-Undeca-1,3,5-triene	0.26
28.591	Terpinen-4-ol	2.04
28.882	(3E,5E)-Undeca-1,3,5-triene	0.05
28.996	para-Cymen-8-ol	0.01
29.587	alpha-Terpineol	0.45
30.546	trans-Piperitol	0.01
31.140	Fenchyl acetate	0.31
31.583	Thymol methyl ether analogue	0.01
31.938	Thymol methyl ether	0.02
32.566	Carvacryl methyl ether	0.26
32.981	Unidentified	0.03
33.317	Linalyl acetate	0.18
35.679	Bornyl acetate	0.05
36.578	Unidentified	0.02
37.120	Unidentified	0.02
39.812	alpha-Terpinyl acetate	0.21
41.346	Cyclosativene	0.04
41.759	alpha-Copaene	0.02
42.643	beta-Elemene	0.02
44.566	trans-beta-Caryophyllene	0.12
45.174	gamma-Elemene	0.12
45.552	alpha-Guaiene	0.02
45.929	Guaia-6,9-diene	0.03
46.412	beta-Barbatene	0.03
46.658	Unidentified	0.02

Chromatogram FerGal2



R.Time	Name	Area%
46.815	alpha-Humulene	0.04
48.020	gamma-Muurolene	0.03
48.286	alpha-Amorphene	0.02
48.403	Germacrene D	0.09
48.519	Unidentified	0.02
48.742	Unidentified	0.02
48.896	beta-Selinene	0.03
49.047	gamma-Gurjunene analogue	0.04
49.302	Bicyclogermacrene	0.07
49.481	alpha-Muurolene	0.03
49.752	delta-Amorphene	0.01
49.898	beta-Dihydroagarofuran	0.07
50.055	beta-Bisabolene	0.02
50.361	gamma-Cadinene	0.07
50.668	delta-Cadinene	0.13
51.287	beta-Guaiene	0.04
51.780	Selina-4(15),7(11)-diene	0.03
52.062	Selina-3,7(11)-diene	0.03
52.433	alpha-Elemol	0.02
53.085	Germacrene B	0.16
54.114	Spathulenol	0.03
54.490	Unidentified	0.04
55.296	Guaiol	0.32
55.894	5-epi-7-epi-alpha-Eudesmol	0.02
56.381	1,10-di-epi-Cubenol	0.02
56.784	10-epi-gamma-Eudesmol	0.14
57.327	gamma-Eudesmol	0.02
57.555	Agarospirol	0.02
57.883	epi-alpha-Cadinol	0.04
58.135	Unidentified	0.02
58.282	Unidentified	0.02
58.626	alpha-Eudesmol	0.28
59.187	Bulnesol	0.26
59.834	Unidentified	0.01
60.119	Unidentified	0.04
60.440	epi-alpha-Bisabolol	0.04
60.557	Acorenone B	0.19
61.785	Unidentified	0.01
61.910	Unidentified	0.03
65.976	Unidentified	0.01
68.777	Unidentified	0.03
73.903	meta-Camphorene	0.03
75.635	para-Camphorene	0.01
		100.00