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

SAFETY DATA SHEET

Version	1	**Total Pages**	8
Issue Date	10/12/17	**Revision date**	10/18/17

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

1.1 Product Identifiers:

Product name:	Rosemary, verbenone
CAS Number:	8000-25-7
Product Item Code:	RosOff7

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Identified uses:	Manufacturing

1.3 Details of the supplier of the safety data sheet:

Company Name:	Artisan Aromatics
Company Address:	1708 Lena Street, #103 Santa Fe, NM 87505
Company Telephone:	(505) 231-9439
Company Email:	hello@artisanaromatics.com

1.4 Emergency telephone number:

24-Hour Emergency Number:	(800) 255-3924 (ChemTel)
International Emergency Number:	(813) 248-0585 (ChemTel)

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance mixture:

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS):

Flammable Liquid (Category 3)	H226
Aspiration Hazard (Category 1)	H304
Skin Irritation (Category 2)	H315
Skin Sensitization (Category 1)	H317
Specific Target Organ Toxicity (Category 2)	H371
Aquatic Toxicity – Acute (Category 2)	H401
Aquatic Toxicity – Chronic (Category 2)	H411

For the full text of the H-Statements mentioned in this Section, see Section 16.

2.2 GHS Label elements, including precautionary statements:

Pictograms:	
Signal Word:	**DANGER**

Hazard Statement(s):

H226	Flammable Liquid and vapors.

H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H371	May cause damage to organs.
H401	Toxic to aquatic life
H411	Toxic to aquatic life with long lasting effects.

Precautionary Statement(s):

P210	Keep away from heat/sparks/open flames/hot surfaces. –No smoking.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P261	Avoid breathing dust/fume/gas/vapors.
P264	Wash skin thoroughly after handling.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301 + P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P303 + P361 + P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P332 + P313	If skin irritation occurs: Get medical advice/attention.
P333 + P313	If skin irritation or rash occurs: Get medical advice/attention.
P337 + P313	If eye irritation persists: Get medical advice/attention.
P370 + P378	In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.
P403 + P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
P501	Dispose of contents/container to an approved waste disposal plant.

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS:
None

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Name:	Rosemary Oil
Synonyms:	*Rosmarinus officinalis*
CAS Number:	8000-25-7

Hazardous Components:

Component:	Rosmarinus officinalis
Classification:	Summary of Section 2.1 (Flam Liq. 3; Asp. Haz. 1; Skin

	Irrit. 2; Skin Sens. 1; Aqua Tox. A2; Aqua Tox. C2; STO-SE 2; H226, H304, H315, H317, H371, H401, H411)
Concentration:	</=100%

For the full text of the H-Statements mentioned in this Section, see Section 16.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

General advice:	Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.
If inhaled:	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact:	Wash off with soap and plenty of water. Consult a physician.
In case of eye contact:	Choose one: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. OR Flush eyes with water as a precaution.
If swallowed:	Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed:
The most important known symptoms and effects are described in the labeling (see Section 2.2 and/or Section 11).

4.3 Indication of any immediate medical attention and special treatment needed:
No data available

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:
Suitable extinguishing media:
For small (incipient) fires, use media such as “alcohol” foam, dry chemical, or carbon dioxide. For large fires, apply water from as far as possible. Use very large quantities (flooding) of water applied as a mist or spray; solid streams of water may be ineffective. Cool all affected containers with flooding quantities of water.

5.2 Special hazards arising from the substance or mixture:
No data available.

5.3 Advice for firefighters:
Wear self-contained breathing apparatus for firefighting if necessary.

5.4 Further information:
No data available

SECTON 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:
Use personal protective equipment. Avoid breathing vapors, mist, or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas. For personal protection see Section 8.

6.2 Environmental precautions:
Prevent further leakage of spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

6.3 Methods and materials for containment and cleaning up:
Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

6.4 Reference to other sections:
For disposal see Section 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:
Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Keep away from sources of ignition – No smoking. Take measures to prevent the build up of electrostatic charge. For precautions see Section 2.2.

7.2 Conditions for safe storage, including incompatibilities:
Store in a cool place. Keep container tightly closed in a dry and well-ventilated place. Containers that are opened must be carefully resealed and kept upright to prevent leakage.

7.3 Specific end use(s):
Apart from the uses mentioned in Section 1.2 no other specific uses are stipulated.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:
To the best of our knowledge, contains no substances with occupational exposure limit values.

8.2 Exposure controls:
Appropriate engineering controls:
Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of the workday.

Personal protective equipment:

Eye/Face Protection:	Safety glasses with side-shields conforming to EN166. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).
Skin Protection:	Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.
Body Protection:	Impervious clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
Respiratory protection:	Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multipurpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure:
Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

Appearance:	Mobile liquid
Odor:	No data available
Odor threshold:	No data available
pH:	No data available
Melting point/freezing point:	No data available
Initial boiling point and boiling range:	No data available
Flash point:	49°C
Evaporation rate:	No data available
Flammability (solid, gas):	No data available
Upper/lower flammability or explosive limits:	No data available
Vapor pressure:	No data available
Vapor density:	No data available
Relative density:	No data available
Water solubility:	No data available
Partition coefficient: n-octanol/water:	No data available
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
Viscosity:	No data available
Explosive properties:	No data available
Oxidizing properties:	No data available

9.2 Other safety information:
No data available

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:
No data available

10.2 Chemical stability:
Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions:
No data available

10.4 Conditions to avoid
Heat, flames, and sparks

10.5 Incompatible materials:
Strong oxidizing agents

10.6 Hazardous decomposition products:
No data available. In the event of fire see Section 5.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects:

Acute toxicity:	Inhalation –No data available Eye contact –No data available Skin contact –No data available Ingestion – No data available
Skin corrosion/irritation:	Skin irritation – No data available
Eye damage/irritation:	No data available
Germ cell mutagenicity:	No data available
Carcinogenicity:	IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible, or confirmed human carcinogen by IARC. ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH. NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP. OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
Reproductive toxicity:	No data available
Specific target organ toxicity – single exposure:	No data available
Specific target organ toxicity – repeated exposure:	No data available
Aspiration hazard:	No data available
Additional information:	No data available

To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity:
No data available

12.2 Persistance and degradability:
No data available

12.3 Bioaccumulative potential:
No data available

12.4 Mobility in soil:
No data available

12.5 Results of PBT and vPvB assessment:
PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.

12.6 Other adverse effects:
No data available

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:
Product:
Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting, as this material is highly flammable. Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging:
Dispose of as unused product.

SECTION 14: TRANSPORT INFORMATION

DOT (US)	UN Number: 1993 Class: 3 Packing group: III Proper shipping name: Flammable Liquid, n.o.s. (Rosemary Oil) Poison Inhalation Hazard: No
IMDG	UN Number 1993 Class: 3 Packing group: III EMS No: F-E, S-E Proper shipping name: Flammable Liquid, n.o.s. (Rosemary Oil)
IATA	UN Number: 1993 Class: 3 Packing group: III Proper shipping name: Flammable Liquid, n.o.s. (Rosemary Oil)

SECTION 15: REGULATORY INFORMATION

SARA 302 Components	No chemicals in the material are subject to the reporting requirements of SARA Title III, Section 302.
SARA 313 Components	This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Sections 313.
SARA 311/312 Hazards	Acute Health Hazard
Massachusetts Right To Know Components	No components are subject to the Massachusetts Right To Know Act
Pennsylvania Right To Know Components	Rosemary Oil (8000-25-7)
New Jersey Right To Know Components	Rosemary Oil (8000-25-7)
California Prop. 65 Components	This product does not contain any chemicals know to the State of California to cause cancer, birth defects or any other reproductive harm.

SECTION 16: OTHER INFORMATION

Full text of H-Statements referred to under Sections 2 and 3:

Flam liq.	Flammable Liquid
Asp. Haz.	Aspiration Hazard
Skin irrit.	Skin Irritation
Skin Sens.	Skin Sensitization
STO-SE	Specific Target Organ – Single Exposure
Aqua Tox. A	Aquatic Toxicity – Acute
Aqua Tox. C	Aquatic Toxicity – Chronic
H226	Flammable Liquid and vapors.
H304	May be fatal if swallowed and enters airways.
H315	Cause skin irritation.
H317	May cause an allergic skin reaction.

H319	Causes serious eye irritation.
H371	May be harmful to organs.
H401	Toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.

HMIS Rating:

Health hazard:	2
Flammability:	2
Physical hazard:	0

NFPA Rating:

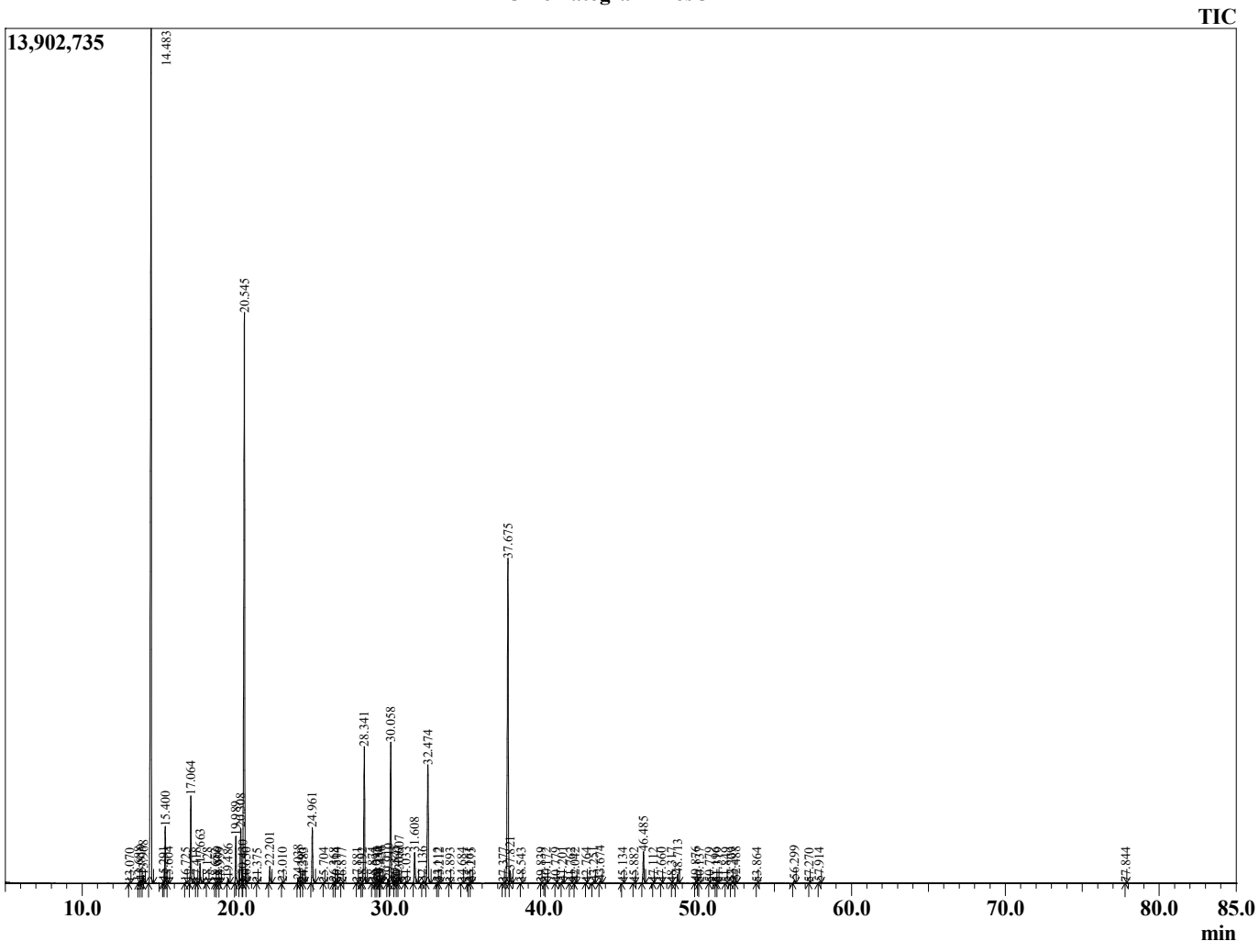
Health hazard:	2
Fire hazard:	2
Reactivity hazard:	0

Further information:
The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. The Perfumery, Inc. shall not be held liable for any damage resulting from handling or from contact with the above product.

Sample Information

Analyzed by	**: A. Mattingly**
Analyzed	**: 1/13/2022 7:09:56 PM**
Sample Type	**: Essential Oil**
Sample Name	**: RosOff7**
Injection Volume	**: 0.10 µL**
Lot Number	**: G1F0113B**
Instrument ID	**: GC-2**

Chromatogram RosOff7



Peak Report TIC

R.Time	Name	Area%
13.070	Branched alkane	0.01
13.688	Hashishene	0.04
13.819	Tricyclene	0.09
13.968	alpha-Thujene	0.23
14.483	alpha-Pinene	31.84
15.291	alpha-Fenchene	0.05
15.400	Camphene	1.64
15.604	Thuja-2,4(10)-diene	0.04
16.725	Sabinene	0.04
17.064	beta-Pinene	2.66
17.418	3-Octanone	0.03
17.663	Myrcene	0.62
18.128	3-Octanol	0.03
18.652	Pseudolimonene	0.01
18.809	alpha-Phellandrene	0.06
18.959	delta-3-Carene	0.02
19.486	alpha-Terpinene	0.16
19.989	para-Cymene	1.56
20.308	Limonene	2.06
20.430	beta-Phellandrene	0.09
20.545	1,8-Cineole	21.63
20.650	(Z)-beta-Ocimene	0.02
21.375	(E)-beta-Ocimene	0.01
22.201	gamma-Terpinene	0.55
23.010	trans-Sabinene hydrate	0.03
24.038	Terpinolene	0.13
24.290	Fenchone	0.01
24.383	para-Cymenene	0.02
24.961	Linalool	1.92
25.704	Unidentified	0.01
26.368	alpha-Fenchol	0.04
26.514	Chrysanthenone	0.02
26.877	alpha-Campholenal	0.02
27.881	trans-Pinocarveol	0.02
28.192	trans-Verbenol	0.02
28.341	Camphor	5.11
28.874	Camphene hydrate	0.03
29.093	Unidentified	0.01
29.230	trans-Pinocamphone	0.08
29.354	Pinocarvone	0.04
29.436	Isoborneol	0.09
29.910	delta-Terpineol	0.15
30.058	Borneol	5.51
30.325	Isopinocamphone	0.08
30.460	Unidentified	0.01
30.607	Terpinen-4-ol	0.45
31.033	para-Cymen-8-ol	0.05
31.608	alpha-Terpineol + Myrtenol	1.26
32.136	Unidentified	0.04
32.474	Verbenone	4.90
33.112	Fenchyl acetate	0.03
33.212	Unidentified	0.03
33.893	Bornyl formate	0.02
34.684	Unidentified	0.03
35.161	Unidentified	0.02
35.275	Geraniol	0.04
37.377	Unidentified	0.02
37.675	Bornyl acetate	13.40
37.821	Isobornyl acetate	0.43
38.543	Unidentified	0.02
39.839	Unidentified	0.01
40.172	Myrtenyl acetate	0.03

R.Time	Name	Area%
40.779	Unidentified	0.01
41.201	Pulespenone	0.06
41.762	Unidentified	0.02
42.042	Eugenol	0.05
42.764	Unidentified	0.01
43.251	alpha-Ylagnene	0.07
43.674	alpha-Copaene	0.10
45.134	Methyleugenol	0.02
45.882	Junipene	0.02
46.485	trans-beta-Caryophyllene	1.25
47.112	beta-Copaene	0.01
47.660	Aromadendrene	0.01
48.317	Humulen-(v1)	0.00
48.713	alpha-Humulene	0.36
49.876	trans-Cadina-1(6),4-diene	0.05
50.137	alpha-Amorphene	0.01
50.779	Unidentified	0.01
51.196	Unidentified	0.01
51.319	alpha-Muurolene	0.01
51.849	beta-Bisabolene	0.01
52.209	gamma-Cadinene	0.03
52.488	delta-Cadinene	0.06
53.864	alpha-Calacorene	0.01
56.299	Caryophyllene oxide	0.13
57.270	Unidentified	0.00
57.914	Humulene epoxide II	0.04
77.844	Unidentified	0.01
		100.00