

SECTION1. Identification of the substance/mixture and of the company/undertaking
1.1. Product identifier

Product code : Limone ws
 Trades code : FA0203

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

Aroma
 Manufacture of food products[SU4], E liquid for electronic cigarettes

Uses advised against
 Do not use for purposes other than those listed

1.3. Details of the supplier of the safety data sheet

Flavourart srl - Via Carmine 39U
 28047 Oleggio (NO) Italia
 Tel 0321 960553 - Fax 0321 204549
 info@flavourart.it

1.4. Emergency telephone number

Centro Antiveneni Ospedale Niguarda (MI) - 0266101029 24 ore su 24 ***

SECTION2. Hazards identification
2.1. Classification of the substance or mixture

2.1.1 Classification according to Directive 1999/45/EEC:

Classification:
 Xi; R43 R52/53

Nature of special risks attributed:
 R43 - May cause sensitisation by skin contact.
 R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

The product, if brought into contact with skin can cause skin sensitization.
 The product is dangerous for the environment as it is toxic for aquatic organisms following acute exposure.
 The product can cause long-term adverse effects in the aquatic environment, being hardly degradable and / or bioaccumulative

2.2. Label elements

Labeling according to Directive (EC) No 1999/45:

Provided symbols:
 Xi - Irritant



Attributed risk:
 R43 - May cause sensitisation by skin contact.
 R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Precautionary statements:
 S24 - Avoid contact with skin.
 S37 - Wear suitable gloves.
 S60 - This material and its container must be disposed of as hazardous waste.
 S64 - If swallowed, rinse mouth with water (only if the person is conscious).

Contains:
Lemon oil generic

2.3. Other hazards

Substance/mixture meets the criteria for PBT/vPvB according to Regulation (EC) No 1907/2006, Annex XIII

No information on other hazards

SECTION3. Composition/information on ingredients

3.1 Substances

Irrilevant

3.2 Mixtures

Refer to paragraph 16 for full text of risk phrases and hazard statements

Substance	Concentration	Classification	Index	CAS	EINECS	REACH
Lemon oil generic	> 1 <= 5%	R10 Xi; R38 Xi; R43 N; R50/53 Xn; R65 Flam. Liq. 3, H226; Asp. Tox. 1, H304; Skin Irrit. 2, H315; Skin Sens. 1, H317; Aquatic Acute 1, H400; Aquatic Chronic 1, H410		84929-31-7	284-515-8	

SECTION4. First aid measures

4.1. Description of first aid measures

Inhalation:

Air the area. Move immediately the contaminated patient from the area and keep him at rest in a well ventilated area. If you feel unwell seek medical advice.

Direct contact with skin (of the pure product):

Take contaminated clothing Immediately off.
Wash immediately with plenty of running water and possibly with soap, the areas of the body that have, or are only suspected to have, come in contact with the product.

Direct contact with eyes (of the pure product):

Wash immediately and thoroughly with running water for at least 10 minutes.

Ingestion:

Not hazardous. It's possible to give activated charcoal in water or liquid paraffin medicine

4.2. Most important symptoms and effects, both acute and delayed

No data available.

4.3. Indication of any immediate medical attention and special treatment needed

If skin irritation or rash occurs: Get medical advice/attention.

SECTION 5. Firefighting measures**5.1. Extinguishing media**

Advised extinguishing agents:

Water spray, CO₂, foam, dry chemical, depending on the materials involved in the fire.

Extinguishing means to avoid:

Water jets. Use water jets only to cool the surfaces of the containers exposed to fire.

5.2. Special hazards arising from the substance or mixture

No data available.

5.3. Advice for firefighters

Use protection for the breathing apparatus

Safety helmet and full protective suit.

The spray water can be used to protect the people involved in the extinction

You may also use selfrespirator, especially when working in confined and poorly ventilated area and if you use halogenated extinguishers (Halon 1211 fluobrene, Solkan 123, NAF, etc...)

Keep containers cool with water spray

SECTION 6. Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

6.1.1 For non-emergency personnel:

Wear gloves and protective clothing

6.1.2 For emergency responders:

Wear gloves and protective clothing

Eliminate all unguarded flames and possible sources of ignition. No smoking.

Provision of sufficient ventilation.

Evacuate the danger area and, in case, consult an expert.

6.2. Environmental precautions

Contain spill with earth or sand.

If the product has entered a watercourse in sewers or has contaminated soil or vegetation, notify it to the the authorities.

Discharge the remains in compliance with the regulations

6.3. Methods and material for containment and cleaning up

6.3.1 For containment:

Rapidly recover the product, wear a mask and protective clothing

Recover the product for reuse, if possible, or for removal. Possibly absorb it with inert material.

Prevent it from entering the sewer system.

6.3.2 For cleaning up:

After wiping up, wash with water the area and materials involved

6.3.3 Other information:

None in particular.

6.4. Reference to other sections

Refer to paragraphs 8 and 13 for more information

SECTION 7. Handling and storage

7.1. Precautions for safe handling

Avoid contact and inhalation of vapors. See also paragraph 8 below.
At work do not eat or drink.

7.2. Conditions for safe storage, including any incompatibilities

Keep in original container closed tightly. Do not store in open or unlabeled containers.
Keep containers upright and safe by avoiding the possibility of falls or collisions.
Store in a cool place, away from sources of heat and direct exposure of sunlight.

7.3. Specific end use(s)

E liquid for electronic cigarettes:

Manufacture of food products:
Handle with care and with protective clothing

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

No data available.

8.2. Exposure controls



Appropriate engineering controls:
E liquid for electronic cigarettes:

Manufacture of food products:
Check expiry date

Individual protection measures:

(a) Eye / face protection
Not needed for normal use.

(b) Skin protection

(i) Hand protection
When handling the pure product use chemical resistant protective gloves (EN 374-1/EN374-2/EN374-3)

(ii) Other
When handling the pure product wear full protective skin clothing.

(c) Respiratory protection
Not needed for normal use.

(d) Thermal hazards
No hazard to report

Environmental exposure controls:

Use according to good working practices to avoid pollution into the environment.

SECTION9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical and chemical properties	Value	Determination method
Appearance	liquid	
Odour	lemon	
Odour threshold	Irrelevant	
pH	Not determined	
Melting point/freezing point	Irrelevant	
Initial boiling point and boiling range	Irrelevant	
Flash point	Not determined	
Evaporation rate	Irrelevant	
Flammability (solid, gas)	Irrelevant	
Upper/lower flammability or explosive limits	Irrelevant	
Vapour pressure	Irrelevant	
Vapour density	Irrelevant	
Relative density	Undefined	
Solubility	water	
Water solubility	yes	
Partition coefficient: n-octanol/water	Irrelevant	
Auto-ignition temperature	Irrelevant	
Decomposition temperature	Irrelevant	
Viscosity	Irrelevant	
Explosive properties	Irrelevant	
Oxidising properties	Irrelevant	

9.2. Other information

No data available.

SECTION10. Stability and reactivity

10.1. Reactivity

No reactivity hazards

10.2. Chemical stability

No hazardous reaction when handled and stored according to provisions.

10.3. Possibility of hazardous reactions

There are no hazardous reactions

10.4. Conditions to avoid

Nothing to report

10.5. Incompatible materials

It can generate inflammable gases to contact with elementary metals, nitrides, inorganic sulfide, strong reducing agents.

It can generate toxic gases to contact with inorganic sulfide, strong reducing agents.

10.6. Hazardous decomposition products

Does not decompose when used for intended uses.

SECTION 11. Toxicological information
11.1. Information on toxicological effects

- (a) acute toxicity: not applicable
- (b) irritation: not applicable
- (c) corrosivity: not applicable
- (d) sensitisation: The product, if brought into contact with skin can cause skin sensitization.
- (e) repeated dose toxicity: not applicable
- (f) carcinogenicity: not applicable
- (g) mutagenicity: not applicable
- (h) toxicity for reproduction: not applicable

SECTION 12. Ecological information
12.1. Toxicity

The product is dangerous for the environment as it is toxic for aquatic organisms following acute exposure.

The product can cause long-term adverse effects in the aquatic environment, being hardly degradable and / or bioaccumulative

Use according to good working practices to avoid pollution into the environment.

12.2. Persistence 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

Substance/mixture meets the criteria for PBT/vPvB according to Regulation (EC) No 1907/2006, Annex XIII

12.6. Other adverse effects

No adverse effects

SECTION13. Disposal considerations
13.1. Waste treatment methods

Do not reuse empty containers. Dispose of them in accordance with the regulations in force. Any remaining product should be disposed of according to applicable regulations by addressing to authorized companies.

Recover if possible. Send to authorized discharge plants or for incineration under controlled conditions. Operate according to local and National rules in force

SECTION14. Transport information
14.1. UN number

3082

If subject to the following characteristics is ADR exempt:

Combination packagings: per inner packaging 5 L per package 30 Kg

Inner packagings placed in skrink-wrapped or stretch-wrapped trays: per inner packaging 5 L per package 20 Kg


14.2. UN proper shipping name

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

14.3. Transport hazard class(es)

Class : 9

Label : 9

Tunnel restriction code : E

Limited quantities : 5 L

EmS : F-A, S-F

14.4. Packing group

III

14.5. Environmental hazards

Product is environmentally hazardous

Marine polluting agent : Not

14.6. Special precautions for user

No data available.

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

It is not intended to carry bulk

SECTION15. Regulatory information
15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

No data available.

15.2. Chemical safety assessment

No chemical safety assessment was carried out by the supplier

SECTION 16. Other information**16.1. Other information**

Description of the sentences of risk set out in paragraph 3

R10 = Flammable.

R38 = Irritating to skin.

R43 = May cause sensitisation by skin contact.

R50 = Very toxic to aquatic organisms.

R53 = May cause long-term adverse effects in the aquatic environment.

R65 = Harmful: may cause lung damage if swallowed.

Description of the hazard statements exposed to point 3

H226 = Flammable liquid and vapour.

H304 = May be fatal if swallowed and enters airways.

H315 = Causes skin irritation.

H317 = May cause an allergic skin reaction.

H400 = Very toxic to aquatic life.

H410 = Very toxic to aquatic life with long lasting effects.

Classification based on data of all mixture components
