

# Safety Data Sheet

According to Regulation (EC) No 1907/2006, Article 31



Product Number O20211  
Product Name Lemon Flavour Natural

Date of issue: 19-11-2020  
Version: 2  
Version date: 12-5-2021

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY

1.1 Product name: Lemon Flavour Natural  
Product code: O20211  
1.2 Use of Product: Flavouring  
1.3 Company: Aroma Innovation & Creation  
Edisonweg 29  
5482 TJ Schijndel  
The Netherlands  
Telephone: +31 (0) 413 253 601  
E-mail address: info@aroma-inc.com  
1.4 Emergency telephone: +31 (0) 413 253 601 (available only during office hours)

## 2. HAZARD IDENTIFICATION

2.1 classification of the mixture  
According to Regulation (EC) No 1272/2008

### Hazard Descriptions :

Hazard classes	Category	Hazard statements
Flammable liquids	2	H225 – Highly flammable liquid and vapour
Aspiration toxicity	1	H304 – May be fatal if swallowed and enters airways
Skin irritation	2	H315 – Causes skin irritation
Skin Sensitization	1	H317 – May cause an allergic skin reaction
Hazardous to aquatic environment, long term hazard.	2	H411 – Toxic to aquatic life with long lasting effects

### 2.2 Label elements

According to Regulations (EC) No 1272/2008

This product does not have to be labeled due to the calculation procedure of the “General Classification guideline for preparations of the EU” in the latest valid version.

Hazard pictogram:

Signal word(s):

danger



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## Hazard statements:

H225 – Highly flammable liquid and vapour  
H304 – May be fatal if swallowed and enters airways  
H315 – Causes skin irritation  
H317 – May cause an allergic skin reaction  
H411 – Toxic to aquatic life with long lasting effects

## Precautionary statements:

P210 - keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking  
P273 – Avoid release to the environment.  
P280 - wear protective gloves/protective clothing/eye protection/face protection/hearing protection/...  
P391 – Collect spillage.  
P501 – Dispose of contents/container in accordance with local/regional/national/international regulations  
P301 + P310 – IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.  
P303 + P361 + P353 – IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water.  
P333 + P313 – If skin irritation or rash occurs: Get medical advice/attention.  
P332 + P313 – If skin irritation occurs: Get medical advice/attention.

## 2.3 Other hazards

No information available

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### Description:

The product is a preparation/mixture of natural, nature-identical or permitted artificial flavourings, foods, permitted additives and/or permitted solvents or carrier substances.

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Dangerous components:

Hazardous ingredients according to Regulation (EC) No 1272/2008

Chemical name	Cas #	EINECS #	(%)	Classification
Lemon oil	8008-56-8	284-515-8	<20	Flam. Liq. 3 - H226; Skin Irrit. 2- H315; Skin Sens. 1- H317; Asp. Tox. 1- H304; Aquatic Chronic 2 - H411;
Citral	5392-40-5	226-394-6	<1	Skin Irrit. 2; H315 Skin Sens. ; H317 Eye Irrit. 2; H319
Lime oil distilled	8008-26-2	290-010-3	<1	Flam. Liq. 3; H226 - Asp. Tox. 1; H304 Skin Irrit. 2; H315 - Skin Sens. 1; H317 Aquatic Chronic 1; H410
Citronellol	106-22-9	203-375-0	<1	Skin Irrit. 2; H315 Eye Irrit. 2; H319 Skin Sens. 1; H317

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

## 4. FIRST AID MEASURES.

### 4.1 Description of first aid measures

#### After Inhalation:

Move the exposed person to fresh air. Get medical attention for any breathing difficulty.

#### After Skin Contact:

Immediately flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention if any discomfort develops. Wash clothing before reuse. Thoroughly clean shoes before reuse.

#### After Eye Contact:

Immediately flush eyes with plenty of water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get medical attention if any discomfort develops.

#### After Ingestion:

Do NOT induce vomiting. Wash out mouth with plenty of water provided person is conscious. If large amounts were swallowed or symptoms occur, get medical attention.

### 4.2 most important symptoms and effects, both acute and delayed.

No further relevant information available.

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

No further relevant information available.

## 5. FIRE FIGHTING MEASURES.

### 5.1 Extinguishing media.

#### Suitable Extinguishing Agents:

Carbon dioxide, dry chemical powder or appropriate foam.

#### For Safety Reasons Unsuitable Extinguishing Agents:

Straight streams of water.

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## 5.2 special hazards arising from the substance of mixture.

During a fire irritating and toxic gases, carbon dioxide, and carbon monoxide may be generated by thermal decomposition or combustion.

## 5.3 advise for firefighters

Special protective equipment for fire fighting:

In the event of a fire, wear full protective clothing and self-contained breathing apparatus with full-face piece operated in the pressure demand or other positive pressure mode.

## Other Information:

Use water spray to keep fire-exposed containers cool. Move exposed containers from fire area, if it can be done without risk. Fire residues and contaminated fire fighting water must be disposed of in accordance within the local regulations

## 6. ACCIDENTAL RELEASE MEASURES.

### 6.1 Personal precautions, protective equipment's and emergency procedures.

Ventilate area of leak or spill. Use proper personal protective equipment as indicated in section 8. Eliminate all ignition sources. Do not touch or walk through spilled material.

### 6.2 Environmental precautions.

Prevent spread over a wide area. Stop leak if you can do it without risk. Do not discharge into the drains/surface waters/groundwater. Inform respective authorities in case of seepage into water course of sewage system.

### 6.3 Methods and materials for containment and Cleaning up.

Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers for disposal. Do not use combustible materials, such as sawdust. Wash spill site after material pick up is completed. Use clean non-sparking tools to collect absorbed material.

### 6.4 Reference to other sections.

See section 8 for information on personal protection equipment.

See section 13 for disposal information.

## 7. HANDLING AND STORAGE

### 7.1 Precautions for safe handling.

Use with adequate ventilation. Avoid contact with heat, sparks and flame. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation.

### 7.2 Conditions for safe storage, including any incompatibilities.

Protect containers from physical damage. Store in a cool, dry, ventilated area away from sources of heat, moisture, and incompatible substances. Store in firmly closed containers.

### 7.3 specific end use(s).

No further relevant information available.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION.

8.1 Control parameters.  
Use appropriate protective tools.

8.2 Exposure control.  
*Ventilation:* A system of local and/or general exhaust is recommended.  
*Safety Stations:* Maintain eye wash fountain and quick-drench facilities in work area.  
*Contaminated Equipment:* Wash contaminated clothing before reuse. Clean contaminated shoes before reuse.  
*Respiratory Protection:* Compatible mask recommended in case of prolonged exposure.  
For emergencies or instances where the exposure levels are not known, use a full-face piece positive-pressure, air-supplied respirator.  
*Hand Protection:* Wear compatible chemical-resistant gloves.  
*Eye Protection:* Eyeglasses or goggles recommended in case of splashing into eyes.  
*Skin Protection:* Wear clean body-covering clothing.

8.3 Environmental protection.  
Fire residues and contaminated fire fighting water must be disposed of in accordance within the local regulations. Product must be disposed of in compliance with the respective national regulations in force. Packaging that can not be cleaned should be disposed of as for product.  
*Ventilation:* Use adequate general or local ventilation.  
*Safety Stations:* Maintain eye wash fountain and quick drench facilities in work area.  
*Contaminated equipment:* Wash contaminated clothing/shoes before reuse.

## 9. PHYSICAL AND CHEMICAL PROPERTIES.

Property	Result
Appearance	Slightly yellow Liquid
Characteristic odour and taste of	Typical taste and odour of lemon
pH	Not determined
Boiling point	Not determined
Flash point	<23 °C (Closed cup method)
Danger of explosion	Product is not explosive. However, formation of explosive air/vapour mixtures is possible.
Self-igniting	Product is not self-igniting
Oxidising properties	Not an oxidizer
Vapour pressure	Not determined
Density	0,883 kg/l
Solubility	Not determined
Partition coefficient (n-octanol/water)	Not determined
Viscosity	Not determined
Vapour density	Not determined
Evaporation rate	Not determined
Melting freezing temperature	Not applicable
Ignition temperature	Not determined
Decomposition temperature	Not determined

Other information:  
No further relevant information available.

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## 10. STABILITY AND REACTIVITY

### 10.1 Reactivity:

No dangerous reactions known.

### 10.2 Chemical stability:

Stable under ordinary conditions of use and storage.

### 10.3 Possibility of hazardous reactions:

No dangerous reactions known. Hazardous polymerization will not occur.

### 10.4 Conditions to avoid:

Ignition sources, excess heat and incompatible materials.

### 10.5 incompatible materials:

Strong oxidizing agents.

### 10.6 Hazardous decomposition products:

During a fire irritating and toxic gases, carbon dioxide and carbon monoxide may be generated by thermal decomposition or combustion.

## 11. TOXICOLOGICAL INFORMATION

Acute toxicity: No data available

Skin corrosion/irritation: H315 – Causes severe skin burns and eye damage

Serious eye damage/eye irritation: No data available

Respiratory or skin sensitization: H317 – May cause an allergic skin reaction

Germ cell mutagenicity; No data available

Carcinogenicity: No data available

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.

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: H304 – May be fatal if swallowed and enters airways

### Potential health effects

Inhalation: May be harmful if inhaled. May cause respiratory tract irritation.

Ingestion: May be harmful if swallowed.

Skin: May be harmful if absorbed through skin. May cause skin irritation.

Eyes: May cause eye irritation.

### Signs and Symptoms of Exposure:

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

## 12. ECOLOGICAL INFORMATION

### 12.1 Toxicity:

No further relevant information available.

### 12.2 Persistence and degradability:

No further relevant information available.

### 12.3 Bioaccumulative potential:

No further relevant information available.

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## 12.4 Mobility in soil:

No further relevant information 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 further relevant information available.

## 13. DISPOSAL CONSIDERATIONS

Product must be disposed of in compliance with the respective national regulations in force.  
Packaging that can not be cleaned should be disposed of as for product.

## 14. TRANSPORT INFORMATION

### 14.1 UN1197

### 14.2 Proper UN shipping name:

ADR/RID: 1197 EXTRACTS, FLAVOURING, LIQUID  
ICAO-TI & IATA-DGR : 1197 EXTRACTS, FLAVOURING, LIQUID  
IMDG : 1197 EXTRACTS, FLAVOURING, LIQUID

### 14.3 Transport hazard class(es):

ADR/RID: Class 3 flammable liquids  
ICAO-TI & IATA-DGR : Class 3 flammable liquids  
IMDG : Class 3 flammable liquids

### 14.4 Packing Group: II

14.5 Environmental hazard : marine pollutant : Yes

### 14.6 Special precautions for users:

Warning flammable liquids.

EmS Number: F-E-S-D

## 15. REGULATORY INFORMATION

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

The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

Observe the general safety rules when handling the product.

### 15.2 Chemical safety assessment.

A chemical safety assessment has not been carried out.

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## 16. OTHER INFORMATION

Full text of H statements referred to under sections 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
- H319 – Causes serious eye irritation
- H410 – Very toxic to aquatic life with long lasting effects
- H411 – Toxic to aquatic life with long lasting effects

Further information:

The information contained in this document is believed to be accurate and represents the best information currently available to us. However, these data are provided without any warranty expressed or implied regarding its correctness or accuracy.

The purpose of this Safety Data Sheet is to describe the products in terms of their safety requirements. The data do not signify any warranty with regard to the product properties.

Individuals receiving the information must exercise their independent judgement in determining its appropriateness for a particular purpose. Aroma Innovation & Creation (Aroma Uden B.V.) does not accept any liability for loss, injury or damage, which may result from this information and its product.

Product is reviewed on 12-5-2021  
Version 2  
replaces SDS with all previous dates.