



Date: 03/30/2018

Product Code: BVV-PN-LOG

# SAFETY DATA SHEET

## 1. Identification

<b>Product Name:</b>	Lemon OG
<b>Product Code:</b>	BVV-PN-LOG
<b>SDS Date:</b>	03/30/2018
<b>Address:</b>	BVV 1251 Frontenac Rd. Ste 150 Naperville IL 60563
<b>Phone:</b>	(331) 281-0154
<b>CHEMTEL:</b>	(800) 255-3924

## 2. Hazard(s) Identification

### 2.1 Classification of the Substance or mixture

#### Class and category of danger

<b>Flammable Liquid</b>	Hazard Category 3
<b>Acute Toxicity</b>	Oral Category 4
<b>Skin corrosion</b>	Irritation Category 2
<b>Eye Damage</b>	Irritation Category 2
<b>Sensitization</b>	Skin Category 1
<b>Hazardous to the Aquatic Environment</b>	Acute Hazard Category 1
<b>Hazardous to the Aquatic Environment</b>	Long-term Hazard Category 1
<b>Aspiration Hazards</b>	Category 1

H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
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.

**Pictogram**



**Signal Word**

Danger

**Hazard Statement:**

- H226, Flammable liquid and vapour
- H302, Harmful if swallowed.
- 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.

**Other Hazards:**

None

**Supplemental Information:**

EUH208, Contains Terpinolene. May produce an allergic reaction.

**Precautionary statements:**

- P210, Keep away from heat, sparks, open flames and hot surfaces. - No smoking.
- P233, Keep container tightly closed.
- P240, Ground/bond container and receiving equipment.
- P241, Use explosion-proof electrical, ventilating and lighting equipment.
- P242, Use only non-sparking tools.
- P243, Take precautionary measures against static discharge.
- P261, Avoid breathing vapour or dust.
- P264, Wash hands and other contacted skin thoroughly after handling

P270, Do not eat, drink or smoke when using this product.

P272, Contaminated work clothing should not be allowed out of the workplace.

P273, Avoid release to the environment.

P280, Wear protective gloves/eye protection/face protection

P301/310, IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

P303/361/353, IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.

P305/351/338, IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P330, Rinse mouth.

P331, Do not induce vomiting

P333/313, If skin irritation or rash occurs: Get medical advice/attention.

P337/313, If eye irritation persists: Get medical advice/attention.

P362, Take off contaminated clothing and wash before reuse.

P370/378, In case of fire: Use carbon dioxide, dry chemical, foam for extinction.

P391, Collect spillage.

P403/233/235, Store in a well-ventilated place. Keep container tightly closed. Keep

P405, Store locked up.

P501, Dispose of contents/container to approved disposal site, in accordance with

## 3. Composition/Information on Ingredients

### 3.2 Mixtures

#### Contains:

Name	CAS	EC	REACH Registration No.	%	Classification for Name CAS EC REACH Registration No. % (CLP) 1272/2008
d-Limonene	5989-27-5	227-813-5		20-30%	FL 3-SCI 2-SS 1B-AH 1-EH A1-EH C1;H226- H304-H315-H317- H410,-

Myrcene	123-35-3	204-622-5		20-30%	FL 3-SCI 2-EDI 2-AH 1; H226-H304-H315- H319,-
beta-Caryophyllene	87-44-5	201-746-1		20-30%	AH 1;H304,-
alpha-Pinene	80-56-8	201-291-9		10-20%	FL 3-SCI 2-SS 1B-AH 1-EH A1-EH C1;H226- H304-H315-H317- H410,-
Linalool	78-70-6	201-134-4		1-10%	SCI 2-EDI 2;H315- H319,-
Nerolidol (isomer unspecified)	7212-44-4	230-597-5		1-10%	EDI 2-EH A1-EH C1; H319-H410
Terpinolene	586-62-9	209-578-0		1-10%	SS 1B-AH 1-EH A1-EH C1;H304-H317- H410,-
beta-Pinene	127-91-3	204-872-5		1-10%	FL 3-SCI 2-SS 1B-AH 1-EH A1-EH C1;H226- H304-H315-H317- H410,-
p-Mentha-1,4-diene	99-85-4	202-794-6		<1%	FL 3-AH 1;H226-H304

**Substances with Community workplace exposure limits:**

Not Applicable

**Substances that are persistent, bioaccumulative and toxic or very persistent and very bioaccumulative, greater than 0.1%:**

Not Applicable

## 4. First-aid Measures

**4.1 Description of first aid measures:**

**In Case of Skin (or hair) Contact:**

Remove/take off immediately all contaminated clothing.  
Rinse skin with water/shower

**In Case of Eye Contact:**

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**If Swallowed:**

Immediately call a POISON CENTER or doctor/physician.

**4.2 Most Important Symptoms and Effects, Both Acute and delayed:**

Harmful if swallowed.  
May be fatal if swallowed and enters airways.  
Causes skin irritation.  
May cause an allergic skin reaction.  
Causes serious eye irritation.

#### 4.3 Indications of Any Immediate Medical Attention and Special Treatment

None expected, see Section 4.1 for further information.

## 5. Fire-fighting Measures

#### 5.1 Extinguishing media

Suitable media: Carbon dioxide, Dry chemical, Foam.

#### 5.2 Special Hazards:

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

#### 5.3 Special Firefighting Procedure:

In case of insufficient ventilation, wear suitable respiratory equipment.

## 6. Accidental Release Measures

#### 6.1 Personal precautions, protective equipment and emergency procedures:

Avoid inhalation. Avoid contact with skin and eyes. See protective measures under Section 7 and 8.

#### 6.2 Environmental precautions:

Keep away from drains, surface and ground water, and soil.

#### 6.3 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.

#### 6.4 Reference to other sections:

Also refer to sections 8 and 13.

## 7. Handling and Storage

#### 7.1 Precautions for safe handling:

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

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

Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

**7.3 Specific end use(s):**

Flavours: Use in accordance with good manufacturing and industrial

## 8. Exposure Controls/Personal Protection

**8.1 Control parameters**

Workplace exposure limits: Not Applicable

**Eye/Face Protection:**

Wear protective gloves/eye protection/face protection

**Respiratory Protection:**

Ensure adequate and ongoing ventilation is maintained in order to prevent buildup of excessive vapour and to ensure occupational exposure limits are adhered to. If appropriate, and depending on your patterns and volumes of use, the following engineering controls may be required as additional protective measures: a) Isolate mixing rooms and other areas where this material is used or openly handled. Maintain these areas under negative air pressure relative to the rest of the plant. b) Employ the use of Personal protective equipment - an approved, properly fitted respirator with organic vapour cartridges or canisters and particulate filters. c) Use local exhaust ventilation around open tanks and other open sources of potential exposures in order to avoid excessive inhalation, including places where this material is openly weighed or measured. In addition, use general dilution ventilation of the work area to eliminate or reduce possible worker exposures. d) Use closed systems for transferring and processing this material.

Also refer to Sections 2 and 7.

## 9. Physical and Chemical Properties

**Appearance:**

Not determined

**Odor:**

Not determined

**Odor Threshold:**

Not determined

**pH:**

Not determined

**Melting point / freezing**

Not determined

**Initial boiling point / range:**

Not determined

<b>Flash point:</b>	50 °C
<b>Evaporation rate:</b>	Not determined
<b>Flammability (solid, gas):</b>	Not determined
<b>Upper Explosion Limit:</b>	Product does not present an explosion hazard
<b>Lower Explosion Limit:</b>	Product does not present an explosion hazard
<b>Vapor Pressure:</b>	Not determined
<b>Vapor Density:</b>	Not determined
<b>Explosive properties:</b>	Not expected
<b>Oxidising properties:</b>	Not expected
<b>Partition Coefficient:</b>	Not determined
<b>Auto Ignition Temp:</b>	Not determined
<b>Decomposition Temp:</b>	Not determined
<b>Viscosity:</b>	Not determined

#### 9.2 Other information:

None available

## 10. Stability and Reactivity

<b>Reactivity:</b>	Presents no significant reactivity hazard, by itself or in contact with water
<b>Chemical Stability:</b>	Good stability under normal storage conditions.
<b>Possibility of Hazardous Reactions:</b>	Not expected under normal conditions of use.
<b>Conditions to Avoid:</b>	Avoid extreme heat.
<b>Incompatible Materials:</b>	Avoid contact with strong acids, alkalis or oxidizing agents.
<b>Hazardous Decomposition Products:</b>	Not expected.

## 11. Toxicological Information

This mixture has not been tested as a whole for health effects. The health effects have been calculated using the methods outlined in Regulation (EC) No 1272/2008 (CLP).

**Acute Toxicity:**

Acute Toxicity - Oral Category 4

Acute Toxicity Oral

>5000

Acute Toxicity Dermal

Not Applicable

Acute Toxicity Inhalation

Not Applicable

**Skin Corrosion/Irritation:**

Skin Corrosion / Irritation Category 2

**Serious eye damage/irritation:**

Eye Damage / Irritation Category 2

**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:**

Specific Target Organ Toxicity (Single Exposure) Category 3

**STOT-repeated exposure:**

Based on available data the classification criteria are not met.

**Aspiration hazard:**

Aspiration Hazard Category 1

**Information about hazardous ingredients in the mixture**

Not Applicable

Refer to Sections 2 and 3 for additional information.

## 12. Ecological Information

**12.1 Toxicity:**

Very toxic to aquatic life with long lasting effects.

**12.2 Persistence and degradability:**

Not available



**12.3 Bioaccumulative potential:**

Not available

**12.4 Mobility in soil:**

Not available

**12.5 Results of PBT and vPvB**

This substance does not meet the PBT/vPvB criteria of REACH, annex XIII.

**12.6 Other adverse effects:**

Not available

## 13. Disposal Considerations

**13.1 Waste treatment methods:**

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. Transportation Information

**14.1 UN number:**

UN1197

**14.2 UN Proper Shipping Name:**

EXTRACTS, FLAVOURING, LIQUID

**14.3 Transport hazard class(es):**

3

**14.4. Packing Group:**

III

**14.5 Environmental hazards:**

This is an environmentally hazardous substance.

**14.6 Special precautions for user:**

None additional

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

Not Applicable

## 15. Regulatory Information

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

None additional

**15.2 Chemical Safety Assessment**

A Chemical Safety Assessment has not been carried out for this product.

## 16. Other Information

**Concentration % Limits:**

EH A1=49.50% EH C1=49.50% EH C2=4.95% EH C3=0.49504951% EH C4=49.50% SCI 2=14.81% EDI 2=31.25% SS 1=4.26% AH 1=11.11%

**Total Fractional Values:**

EH A1=2.02 EH C1=2.02 EH C2=20.20 EH C3=202.00 EH C4=2.02 SCI 2=6.75 EDI 2=3.20 SS 1=23.50 AH 1=9.00

**SDS Date:**

03/30/2018

**Key to revisions:**

Not available

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