



BUILDING VISION AND VARIETY

Date: 1/1/2020

Product Code

## SAFETY DATA SHEET

### 1. Identification

Product Name: GG4 - Enhanced Terpene Blend

Product Code:

Use: Flavours

Address: BVV  
1251 Frontenac Rd. Ste 150  
Naperville IL 60563

Phone: (331) 281-0154  
Email: support@shopbv.com

CHEMTEL: (800) 255-3924

### 2. Hazard(s) Identification

#### GHS Classification

Flammable Liquid, Hazard Category 3  
Acute Toxicity- Oral Category 4  
Skin Corrosion/Irritation Category 2  
Eye Damage/Irritation Category 2  
Sensitization- Skin Category 1  
Aspiration Hazard Category 1  
Hazardous to the Aquatic Environment- Acute Hazard Category 1  
Hazardous to the Aquatic Environment- Long-term Hazard Category 1

#### 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 long lasting effects.

#### Supplemental Information:

EUH208: Contains delta-3-Carene. May produce an allergic reaction.

#### Precautionary

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.

<b>P243</b>	Take precautionary measures against static discharge.
<b>P261</b>	Avoid breathing vapour or dust.
<b>P264</b>	Wash hands and other contacted skin thoroughly after handling.
<b>P270</b>	DO not eat, drink or smoke when using this product.
<b>P272</b>	Contaminated work clothing should not be allowed out of the workplace.
<b>P273</b>	Avoid release to the environment.
<b>P280</b>	Wear protective gloves/eye protection/face protection.
<b>P301/310</b>	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
<b>P303/361/353</b>	IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
<b>P305/351/338</b>	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue
<b>P330</b>	Rinse mouth.
<b>P331</b>	Do not induce vomiting.
<b>P333/313</b>	If skin irritation or rash occurs: Get medical advice/attention.
<b>P337/313</b>	If eye irritation persists: Get medical advice/attention.
<b>P362</b>	Take off contaminated clothing and wash before reuse.
<b>P370/378</b>	In case of fire: Use carbon dioxide, dry chemical, foam for extinction.
<b>P391</b>	Collection spillage.
<b>P403/235</b>	Store in a well-ventilated place. Keep cool.
<b>P405</b>	Store locked up.
<b>P501</b>	Dispose of contents/container to approved disposal site, in accordance with local regulations.

Hazards Not Otherwise Classified:

None

### 3. Composition/Information On Ingredients

Name	CAS	EC	REACH Registration No.	%	Classification for (CLP) 1272/2008
Myrcene	123-35-3	204-622-5		20-50%	FL 3-SCI 2-EDI 2-AH 1; H226-H304-H315-H319,-
beta-Caryophyllene	87-44-5	201-746-1		20-50%	AH 1;H304,-
d-Limonene	5989-27-5	227-813-5		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,-
alpha-Pinene	80-56-8	201-291-9		1-10%	FL 3-SCI 2-SS 1B-AH 1-EH A1-EH C1;H226-H304-H315-H317-H410,-
alpha-Terpineol	98-55-5	202-680-6		1-10%	SCI 2-EDI 2;H315-H319,-
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,-
Camphene	79-92-5	201-234-8		<1%	FL 3-FS 2-EDI 2-EH A1-EH C1;H226-H228-H319-H410,-
delta-3-Carene	13466-78-9	236-719-3		<1%	FL 3-SCI 2-SS 1B-AH 1;H226-H304-H315-H317,-

Sabinene	3387-41-5			<1%	FL 3-SCI 2-SS 1-AH 1-EH A1-EH C1;H226-H304-H315-H317-H410,-
Terpinolene	586-62-9	209-578-0		<1%	SS 1B-AH 1-EH A1-EH C1;H304-H317-H410,-
beta-Phellandrene	555-10-2	209-081-9		<1%	FL 3-AH 1;H226-H304,-
l-Limonene	5989-54-8	227-815-6		<1%	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,-

## 4. First-aid Measures

### In Case of Skin 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.

### If Swallowed:

Immediately call a POISON CENTER or doctor/physician.

### 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 reaction.  
 Causes serious eye irritation.

### Indications of Any Immediate Medical Attention and Special Treatment Needed:

None expected.

## 5. Fire-fighting Measures

### Extinguishing Media:

Carbon dioxide, Dry chemical, Foam.

### Special Hazards:

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

### Advice for Firefighters

In case of insufficient ventilation, wear suitable respiratory equipment.

## 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.

**Environmental Precautions:**

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

**Methods and Materials for Containment and Clean Up:**

Remove ignition sources. Provide adequate ventilation. Avoid excessive inhalation of vapours. Contain spillage immediately by use of sand or inert power. Dispose of according to local regulations.

## 7. Handling and Storage

**Safe Handling:**

Keep away from heat, sparks, open flames and hot surfaces. - No smoking. Do not eat, drink or smoke when using this product.

**Safe Storage:**

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

**Specific End Use(s):**

Flavours: Use in accordance with good manufacturing and industrial hygiene practices.

## 8. Exposure Controls/Personal Protection

**Eye/Skin Protection:**

Wear protective gloves/eye protection/face protection.

**Respiratory Protection:**

Under normal conditions of use and where adequate ventilation is available to prevent build up of excessive vapour, this material should not require special engineering controls. However, in conditions of high or prolonged use, or high temperature or other conditions which increase exposure, the following engineering controls can be used to minimise exposure to personnel: a) Increase ventilation of the area with local exhaust ventilation. b) Personnel can use an approved, appropriately fitted respirator with organic vapour cartridge or canisters and particulate filters. c) Use closed systems for transferring and processing this material.

## 9. Physical and Chemical Properties

<b>Appearance:</b>	Not determined
<b>Odour:</b>	Not determined
<b>Odour threshold:</b>	Not determined
<b>pH:</b>	Not determined
<b>Melting point / freezing point:</b>	Not determined
<b>Initial boiling point / range:</b>	Not determined
<b>Flash point:</b>	52.2 °C
<b>Evaporation rate:</b>	Not determined

Flammability (solid, gas):	Not determined
Upper/lower flammability or explosive limits:	Product does not present an explosion hazard
Vapour pressure:	Not determined
Vapour 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
Explosive properties:	Not expected
Oxidising properties:	Not expected

## 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.
Incompatible Materials:	Avoid contact with strong acids, alkalis or oxidising agents.
Hazardous Decomposition Products:	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).	
<b>Acute Toxicity:</b>	Acute Toxicity - Oral Category 4
Acute Toxicity Oral	>5000
Acute Toxicity Dermal	Not Applicable
Acute Toxicity Inhalation	Not Available
<b>Skin corrosion/irritation:</b>	Skin Corrosion / Irritation Category 2
<b>Serious eye damage/irritation:</b>	Eye Damage / Irritation Category 2
<b>Respiratory or skin sensitisation:</b>	Sensitization - Skin Category 1
<b>Germ cell mutagenicity:</b>	Based on available data the classification criteria are not met.
<b>Carcinogenicity:</b>	Based on available data the classification criteria are not met.
<b>Reproductive toxicity:</b>	Based on available data the classification criteria are not met.
<b>STOT-single exposure:</b>	Based on available data the classification criteria are not met.
<b>STOT-repeated exposure:</b>	Based on available data the classification criteria are not met.
<b>Aspiration hazard:</b>	Aspiration Hazard Category 1

## 12. Ecological Information

Toxicity:	Very toxic to aquatic life with long lasting effects.
Persistence and degradability:	Not available
Bioaccumulative potential:	Not available
Mobility in soil:	Not available
Results of PBT and vPvB assessment:	This substance does not meet the PBT/vPvB criteria of REACH, annex XIII.
Other adverse effects:	Not available

## 13. Disposal Considerations

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

Proper Shipping Name:	EXTRACTS, FLAVOURING, LIQUID
Hazard Class	3
Identification Number:	UN1197
Packing Group:	III
Ship:	UN1197 EXTRACTS, FLAVOURING, LIQUID CLASS 3 PG III
Environmental hazards:	This is an environmentally hazardous substance.

## 15. Regulatory Information

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

None additional

Chemical Safety Assessment:

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

Prop 65

This product can expose you to beta-Myrcene, which is known to the State of California to cause cancer. For more information, go to [www.P65Warning.ca.gov](http://www.P65Warning.ca.gov).

## 16. Other Information, Including Date of Preparation or Last Revision

SDS Date: 1/1/2020

**Concentration % Limits:**

EH A1=96.53% EH C1=96.53% EH C2=9.65% EH C3=0.96525097% EH C4=96.53% SCI 2=16.67% EDI 2=28.57% SS 1=6.67% AH 1=12.94%
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**Total Fractional Values:**

EH A1=1.04 EH C1=1.04 EH C2=10.36 EH C3=103.60 EH C4=1.04 SCI 2=6.00 EDI 2=3.50 SS 1=15.00 AH 1=7.73
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