



Date: 04/25/2018

Product Code: BVV-PN-STN

SAFETY DATA SHEET

1. Identification

Product Name:	Strawnana Terpenes
Product Code:	BVV-PN-STN
SDS Date:	04/25/2018
Address:	BVV 1251 Frontenac Rd. Ste 150 Naperville IL 60563
Phone:	(331) 281-0154
CHEMTEL:	(800) 255-3924

2. Hazard(s) Identification

2.1 Classification of the Substance or mixture

Class and category of danger

Flammable Liquid	Hazard Category 3
Acute Toxicity	Oral Category 4
Skin corrosion	Irritation Category 2
Eye Damage	Irritation Category 2
Sensitization	Skin Category 1
Hazardous to the Aquatic Environment	Acute Hazard Category 1
Hazardous to the Aquatic Environment	Long-term Hazard Category 1
Aspiration Hazards	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 Bisabolene, beta-Pinene. 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.

P302/352, IF ON SKIN: Wash with plenty of soap and water.

P304/340, IF INHALED: Remove victim to fresh air and keep at rest in a position

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

P312, Call a POISON CENTRE or doctor/physician if you feel unwell.

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.

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		30-40%	FL 3-SCI 2-SS 1B-AH 1-EH A1-EH C1;H226- H304- H315-H317- H410,-

Myrcene	123-35-3	204-622-5		10-20%	FL 3-SCI 2-EDI 2-AH 1; H226-H304-H315- H319,-
beta-Caryophyllene	87-44-5	201-746-1		10-20%	AH 1;H304,-
Benzyl alcohol	100-51-6	202-859-9		1-10%	ATO 4-ATI 4-EDI 2; H302-H319-H332,-
Geranyl acetate	105-87-3	203-341-5		1-10%	SCI 2-SS 1B-EH C3; H315-H317-H412,-
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,-

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

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:

Under normal conditions of use and where adequate ventilation is available to prevent buildup 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 minimize 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.

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/Freezing Point:

Not determined

Initial Boiling Point/Range:

Not determined

Flash Point:

51 °C

Evaporation Rate:

Not determined

Flammability (solid, gas):

Not determined

Upper Explosion Limit:

Product does not present an explosion hazard

Lower Explosion Limit:

Product does not present an explosion hazard

Vapor Pressure:	Not determined
Vapor Density:	Not determined
Explosive properties:	Not expected
Oxidising properties:	Not expected
Partition Coefficient:	Not determined
Auto Ignition Temp:	Not determined
Decomposition Temp:	Not determined
Viscosity:	Not determined

9.2 Other information:

None available

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 oxidizing 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).

Acute Toxicity:	Based on available data the classification criteria are not met
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Acute Toxicity Oral	>5000
Acute Toxicity Dermal	>5000
Acute Toxicity Inhalation	Not Available
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:	Based on available data the classification criteria are not met.
STOT-repeated exposure:	Based on available data the classification criteria are not met.
Aspiration hazard:	Aspiration Hazard Category 1

Ingredient	CAS	EC	LD50/ATE Oral	LD50/ATE Dermal	LC50/ATE Inhalation	LC50 Route
Benzyl alcohol	100-51-6	202-859-9	1620	2500	11	Vapour

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=56.82% EH C1=56.82% EH C2=5.68% EH C3=0.56766576% EH C4=52.08% SCI 2=13.51% EDI 2=33.33% SS 1=2.78% AH 1=12.50%

Concentration % Limits:

EH A1=1.76 EH C1=1.76 EH C2=17.60 EH C3=176.16 EH C4=1.92 SCI
2=7.40 EDI 2=3.00 SS 1=36.00 AH 1=8.00

SDS Date:

04/25/2018

Key to revisions:

Not available

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