



Date: 03/30/2018

Product Code: BVV-PN-BA

SAFETY DATA SHEET

1. Identification

Product Name:

Blueberry Afgoo

Product Code:

BVV-PN-BA

SDS Date:

03/30/2018

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	May be fatal if swallowed and enters airways
H304	Causes skin irritation.
H315	May cause an allergic skin reaction.
H317	Causes serious eye irritation.
H319	May cause respiratory irritation.
H411	May cause drowsiness or dizziness.

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.
- H411, Toxic to aquatic life with long lasting effects.

Other Hazards:

None

Supplemental Information:

None

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.

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.

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.

P403/235, Store in a well-ventilated place. Keep cool.

P405, Store locked up.

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

3. Composition/Information on Ingredients

3.2 Mixtures

Contains:

Name	CAS	EC	REACH Registration No.	%	Classification for Name % (CLP) 1272/2008
Myrcene	123-35-3	204-622-5		30-50%	FL 3-SCI 2-EDI 2-AH 1; H226-H304-H315-H319,-
3,7-Dimethyl-1,3,6- octatriene	13877-91-3	237-641-2		10-20%	FL 3-AH 1;H226-H304,
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,-
Terpinolene	586-62-9	209-578-0		1-10%	SS 1B-AH 1-EH A1-EH C1;H304-H317-H410,-
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
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:

Name	CAS	EC	%
Ethyl acetate	141-78-6	205-500-4	<0.01%

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 Eye Contact:

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

Skin exposure:

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

If Swallowed:

Immediately call a POISON CENTER or doctor/physician.

4.2 Most Important Symptoms and Effects, Both Acute and Delayed:

May be fatal if swallowed and enters airways.
Causes skin irritation.
May cause an allergic skin reaction.
Causes serious eye irritation.
May cause respiratory 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. Do not eat, drink or smoke when using this product.

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:

Ingredient	CAS	EC	Description	Value
Ethyl acetate	141-78-6	205-500-4	UK WEL Long term ppm	200
			UK WEL Short term ppm	400

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
Flash point:	48 °C
Evaporation Rate:	Not determined
Flammability (solid, gas):	Not determined
Lower Explosion Limit:	Product does not present an explosion hazard
Upper 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:	Acute Toxicity - Oral Category 4
Acute Toxicity Oral	>5000
Acute Toxicity Dermal	>5000
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

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

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 assessment:	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:	UN1169
14.2 UN Proper Shipping Name:	EXTRACTS, AROMATIC, 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 C2=16.67% EH C3=1.67% SCI 2=22.22% EDI 2=25.00% SS 1=20.00%
AH 1=12.50%

Total Fractional Values:

EH C2=6.00 EH C3=60.00 SCI 2=4.50 EDI 2=4.00 SS 1=5.00 AH 1=8.00

SDS Date:

03/30/2018

Key to revisions:

Classification under Regulation (EC) No 1272/2008

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