



SAFETY DATA SHEET

1. Identification

Product Name: Jack Herer - 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
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.
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.

Supplemental Information:

None

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.
P243 Take precautionary measures against static discharge.
P261 Avoid breathing vapour or dust.
P264 Wash hands and other contacted skin thoroughly after handling.
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 to rinsing.
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	Collection 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.

Hazards Not Otherwise Classified:

None

3. Composition/Information On Ingredients

Name	CAS	EC	REACH Registration No.	%	Classification for (CLP) 1272/2008
Terpinolene	586-62-9	209-578-0		50-60%	SS 1B-AH 1-EH A1-EH C1;H304-H317-H410,-
beta-Caryophyllene	87-44-5	201-746-1		20-30%	AH 1;H304,-
3,7-Dimethyl-1,3,6-octatriene	13877-91-3 2	237-641-2		10-15%	FL 3-AH 1;H226-H304, -
Myrcene	123-35-3	204-622-5		1-5%	FL 3-SCI 2-EDI 2-AH 1; H226-H304-H315-H319,-
beta-Pinene	127-91-3	204-872-5		1-5%	FL 3-SCI 2-SS 1B-AH 1-EH A1-EH C1;H226-H304-H315-H317-H410,-
d-Limonene	5989-27-5	227-813-5		1-5%	FL 3-SCI 2-SS 1B-AH 1-EH A1-EH C1;H226-H304-H315-H317-H410,-
alpha-Pinene	80-56-8	201-291-9		<0.1%	FL 3-SCI 2-SS 1B-AH 1-EH A1-EH C1;H226-H304-H315-H317-H410,-

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:

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.

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

Appearance:	Not determined
Odour:	Not determined
Odour threshold:	Not determined
pH:	Not determined
Melting point / freezing point:	Not determined
Initial boiling point / range:	Not determined
Flash point:	58°C
Evaporation rate:	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).

Name: Benzyl Alcohol LD50/ATE Oral: 1620 LD50/ATE Inhalation: 11 LD50/ATE Dermal: 2500 LD50 Route: Vapour	CAS: 100-51-6	EC: 202-859-9
Acute Toxicity:	Based on available data the classification criteria are not met.	
Acute Toxicity Oral	>5000	
Acute Toxicity Dermal	Not Applicable	
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	

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.

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

SDS Date: 1/1/2020

Concentration % Limits: EH A1=40.98% EH C1=40.98% EH C2=4.10% EH C3=0.40983607% EH C4=40.98% SCI 2=66.67% SS 1=1.96% AH 1=10.00%

Total Fractional Values: EH A1=2.44 EH C1=2.44 EH C2=24.40 EH C3=244.00 EH C4=2.44 SCI 2=1.50 SS 1=51.00 AH 1=10.00

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