Hemp Essential Oil

Safety Data Sheet

ACCORDING TO HAZARDOUS PRODUCTS REGULATIONS (HPR)

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SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Product Name	TBF-116-SV-24-DE-EO
Chemical name	Cannabis sativa,ext.
CAS No.	89958-21-4
Synonyms	Terpene Essential Oil

1.2 Recommended use and restrictions on use

Raw material

1.3 Details of the supplier of the safety data sheet

Manufacturer	
Company Identification	Terpene Belt Farms
Address of Manufacturer	174 Lawrence Dr. Suite J. Livermore, CA 94551
Telephone:	1-510-906-0660
Supplier	Not known.
Company Identification	Not known.
Address of Supplier	Not known.
Telephone:	Not known.

1.4 Emergency telephone number

Emergency Phone No.	1-510-475-1424 (M-F 8 a.m. to 5 p.m.) PST

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

ACCORDING TO HAZARDOUS PRODUCTS REGULATIONS (HPR)	Flam. Liq. 3 :Flammable liquid and vapor. Asp. Tox. 1 :May be fatal if swallowed and enters airways. Skin Irrit. 2 :Causes skin irritation. Skin Sens. 1B :May cause an allergic skin reaction. Eye Irrit. 2A :Causes serious eye irritation.

2.2 Label elements

Product Name	Hemp Essential Oil
Hazard Pictogram(s)	

Signal Word(s)	Danger
Hazard Statement(s)	Flammable liquid and vapor. May be fatal if swallowed and enters airways. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation.
Precautionary Statement(s)	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Ground and bond container and receiving equipment. Use non-sparking tools. Take action to prevent static discharges. Avoid breathing mist/vapors/spray. Wash hands thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment. Wear protective gloves, eye protection. IF SWALLOWED: Immediately call a POISON CENTER/doctor. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Do NOT induce vomiting. If skin irritation occurs: Get medical advice, or attention. If eye irritation persists: Get medical advice, or attention. Take off contaminated clothing and wash it before reuse. In case of fire: Use water spray, dry powder or carbon dioxide to extinguish. Collect spillage. Store in a well-ventilated place. Keep cool. Store locked up. Dispose of this material and its container as hazardous waste.

2.3 Other hazards

May cause respiratory irritation.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

COMPONENTS:	(MIN.) %	(MAX) %	CAS #
LIMONENE	12.1%	20.1%	5989-27-5
β-CARYOPHYLLENE	9.6%	15.9%	87-44-5
β-OCIMENE	8%	13.3%	13877-91-3
α-HUMULENE	3.5%	5.9%	6753-98-6
α-PINENE	2.6%	4.4%	80-56-8

3.2 Mixtures

Not applicable.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation	If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Apply artificial respiration only if patient is not breathing but do not use mouth to mouth resuscitation.
Skin Contact	Remove contaminated clothing immediately and drench affected skin with plenty of water, then wash with soap and water. Wash the contaminated area of body with soap and fresh water. Take off immediately all contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical advice/attention. Specific treatment (see Medical Advice on this label). Rinse skin with water. Take off immediately all contaminated clothing and wash it before reuse.
Eye Contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
Ingestion	Unlikely route of exposure. Wash out mouth with water. If vomiting occurs turn patient on side. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Immediately call a POISON CENTER/doctor.

4.2 Most important symptoms and effects, both acute and delayed

May cause irritation. Allergic contact dermatitis.

4.3 Indication of any immediate medical attention and special treatment needed

There is no specific antidote. Treat symptomatically.

SECTION 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing Media

Suitable Extinguishing Media	Use water spray, dry powder or carbon dioxide to extinguish.
Unsuitable Extinguishing Media	Water jet spray

5.2 Special hazards arising from the substance or mixture

Flammable liquid and vapor. Combustion or thermal decomposition will evolve toxic and irritant vapors. Decomposition products may include carbon oxides.

5.3 Advice for firefighters

Fire fighters should wear complete protective clothing including self-contained breathing apparatus. If it is safe to do so, containers should be removed from fire area because they are likely to rupture under fire conditions. Keep container(s) exposed to fire cool, by spraying with water. Static accumulating flammable liquid can become electrostatically charged even in bonded and grounded equipment. Sparks may ignite liquid and vapor. May cause flash fire or explosion.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Provide adequate ventilation. Use non-sparking ventilation systems, approved

explosion-proof equipment, and intrinsically safe electrical systems. Wear suitable protective clothing, gloves and eye/face protection. Remove all ignition sources. Wash contaminated clothing before reuse.

6.2 Environmental precautions

Avoid release to the environment. Spillages or uncontrolled discharges into watercourses must be alerted to the appropriate regulatory body.

6.3 Methods and material for containment and cleaning up

Collect spillage. Adsorb spillages onto sand, earth or any suitable adsorbent material. Contain spillages with sand, earth or any suitable adsorbent material. Earth may be shovelled to contain spillage and to avoid contamination of sewers and watercourses.

6.4 Reference to other sections

See Also Section 8, 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Wash hands thoroughly after handling. Wear protective gloves/eye protection. Avoid breathing mist/vapors/spray. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Use explosion proof electrical equipment. Use non-sparking tools. Take action to prevent static discharges. Ensure adequate ventilation. Keep in containers made of material similar to the original. Keep container tightly closed, in a cool, well ventilated place.

7.2 Conditions for safe storage, including any incompatibilities

Store locked up. Store in a well-ventilated place. Keep cool.

Storage temperature	Ambient.
Storage life	Stable under normal conditions.
Incompatible materials	Oxidizing agents. Alkalis.

7.3 Specific end use(s)

Not known.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

8.1.1 Occupational Exposure Limits

Region	Source
Canada	Regulation respecting occupational health and safety, Permissible Exposure Values for Airborne Contaminants, Canada 2019

Remark	Notes
S	SENSITIZER: The designation “S” in the Designation and remarks column refers to a repeatedexposure to a substance causing a sensitization, e.g. an organism reaction, in the form of an allergic response (immunologic) of the respiratory tree, the mucous, the conjunctivas or the skin.

8.2 Exposure controls

8.2.1. Appropriate engineering controls — Use non-sparking ventilation systems, approved explosion-proof equipment, and intrinsically safe electrical systems. Use with ventilation, local exhaust ventilation or breathing protection. A washing facility/water for eye and skin cleaning purposes should be present.

8.2.2. Personal protection equipment



Eye Protection — Wear eye protection with side protection (EN166).



Skin protection — Wear protective clothing and gloves: Impervious gloves (EN 374).



Respiratory protection — A suitable mask with filter type A (EN14387 or EN405) may be appropriate.



Thermal hazards — None known.

8.2.3. Environmental Exposure Controls — Spillages or uncontrolled discharges into watercourses must be alerted to the appropriate regulatory body.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Liquid. Clear. Color : Colourless
Odor	Essential oil
Odor Threshold	Not known.
pH	Not applicable.
Melting Point/Freezing Point	
Initial boiling point and boiling range	Not known.
Flash Point	42 - 50 ° C
Evaporation Rate	Not known.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or explosive limits	Not known.
vapor pressure	Not known.
vapor density	Not known.

Density (g/ml)	Not known.
Relative density	0.8 - 0.9 (water=1)
Solubility(ies)	Solubility (Water) : Insoluble in water.
	Solubility (Other) : Soluble in: Alcohols Oil
Partition coefficient: n-octanol/water	Not known.
Auto-ignition temperature	Not known.
Decomposition Temperature (° C)	Not known.
Viscosity	Not known.
Explosive properties	Not known.
oxidizing properties	Not known.

9.2 Other information

None.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

None anticipated.

10.2 Chemical Stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

No hazardous reactions known if used for its intended purpose.

10.4 Conditions to avoid

Avoid contact with heat and ignition sources and oxidizers.

10.5 Incompatible materials

Oxidizing agents. Alkalis.

10.6 Hazardous decomposition products

No hazardous decomposition products known.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity - Ingestion	Not classified.
Acute toxicity - Skin Contact	Not classified.
Acute toxicity - Inhalation	Not classified.
Skin corrosion/irritation	Causes skin irritation.
Serious eye damage/irritation	Causes serious eye irritation.
Skin sensitization data	May cause an allergic skin reaction.
Respiratory sensitization data	Not classified.
Germ cell mutagenicity	Not classified.
Carcinogenicity	Not classified.
Reproductive toxicity	Not classified.
Lactation	Not classified.
STOT - single exposure	Not classified. Contains containments that are known as causing respiratory irritation.
STOT - repeated exposure	Not classified. Contains containments that are known as causing damage to Central Nervous Systems, Kidney, Liver.
Aspiration hazard	May be fatal if swallowed and enters airways.

11.2 Other information

Not known.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Very toxic to aquatic life with long lasting effects.

Toxicity - Aquatic invertebrates	Not known.
Toxicity - Fish	Not known.
Toxicity - Algae	Not known.
Toxicity - Sediment Compartment	Not classified.
Toxicity - Terrestrial Compartment	Not classified.

12.2 Persistence and degradability

Not known.

12.3 Bioaccumulative potential

Not known.

12.4 Mobility in soil

Not known.

12.5 Other adverse effects

Not known.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Dispose of this material and its container as hazardous waste. Recycle only completely emptied packaging. Containers must not be punctured or destroyed by burning, even when empty. Do not allow to enter drains, sewers or watercourses. Do NOT landfill. Normal disposal is via incineration operated by an accredited disposal contractor. Send to a licensed recycler, reclaimer or incinerator. Dispose of this material and its container to hazardous or special waste collection point. Dispose at suitable refuse site.

13.2 Additional Information

Disposal should be in accordance with local, state or national legislation.

SECTION 14: TRANSPORT INFORMATION

14.1 UN number

UN No.	1169

14.2 UN proper shipping name

UN proper shipping name	EXTRACTS, AROMATIC, LIQUID

14.3 Transport hazard class(es)

TDG

TDG Class	3

IMDG

IMDG Class	3

Special Provisions	601
Limited Quantities	5 L
Excepted Quantities	E1
Mixed Packing Instructions for Packages	P001 IBC03 LP01 R001
Special Packing Provisions for Packages	
Packing Instructions for Portable Tanks	T2
Special Provisions for Portable Tanks	TP1
IMDG EMS	F-E, S-D
Stowage and Handling	Category A
Segregation	
Marine Pollutant	

ICAO/IATA

IATA Proper Shipping Name	EXTRACTS, AROMATIC, LIQUID
Excepted Quantities	E1
Passenger and Cargo Aircraft Limited Quantities Packing Instructions	Y344
Passenger and Cargo Aircraft Limited Quantities Max net Qty	10L
Passenger and Cargo Aircraft Packing Instructions	355
Passenger and Cargo Aircraft Max net Qty	60L
Cargo Aircraft Packing Instructions	366
Cargo Aircraft Max net Qty	220L
Special Provisions	A3
Emergency Response Guidebook (ERG) Code	3L

Labels

Labels 3



14.4 Packing group

Packing group III

14.5 Environmental hazards

Environmental hazards Classified as a Marine Pollutant.

14.6 Special precautions for user

Special precautions for user Not known.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

No information available

SECTION 15: REGULATORY INFORMATION

This product has been classified in accordance with HPR and the SDS contains all the information required by HPR.

15.1 Canadian Regulations

Domestic Substances List (DSL)	Listed/ exempt
Export Control List	Not listed
Priority Substances List (PSL)	Not listed
Toxic Substances List	Not listed
National Pollutant Release Inventory (NPRI) Substance List)	Not listed

SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements:

LEGEND

Acronyms

Acute Toxicity Estimate
: Acute Toxicity Estimate

CAS : Chemical Abstracts Service
IATA : International Air Transport Association
IBC : Intermediate Bulk Container
ICAO : International Civil Aviation Organization
IMDG : International Maritime Dangerous Goods
LTEL : Long term exposure limit
STEL : Short term exposure limit
STOT : Specific Target Organ Toxicity
UN : United Nations

Key literature references and sources for data used to compile the SDS

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