

Safety Data Sheet

Product Code: TUSA-MXZ Product Name: Terpene Diluent

Issue date 20-Feb-2019

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Version 1

1. Product and Company Identification

1.1	Product identifiers		
	Product Name	Terpene Diluent	
	Producer	FLPX LLC	
	Product Number	No data available	
	CAS-No.	Mixture	

- 1.2 Identified uses of the product and uses advised against Identified Uses Terpenes
- 1.3 Chemical Supplier FLPX, LLC

1.4 Emergency phone number

Emergency phone number USA 1-800-424-9300 / International +1 703-527-3887 I Chemtrec CCN 845950

2. Hazards Identification

2.1 Classification of the substance or mixture

GHS Class Not a hazardous substance or mixture

Classification according to Regulation (EC) No 1272/2008

Based on present data no classification and labeling is required according to Directive 1272/2008/EC and its amendments (CLP Regulation, GHS).

Classification according to Directive 67/548/EEC or Directive 1999/45/EC

According to present data no classification and labeling is required according to Directives 67/548/EEC or 1999/45/EC.

2.2 GHS Label elements, including precautionary statements

GHS Pictograms	Not hazardous
Signal word	Not hazardous
Hazard statements	Not hazardous
Precautionary statements	Not hazardous

2.3. Hazards not otherwise classified (HNOC) or not covered by GHS - None

3. Composition/Information on Ingredients

3.1 Product mixture

Formula	Mixture
Molecular wt	Mixture
CAS-No.	Mixture
EC-No.	Mixture

TUSA-DLT SDS

Chemical Name	CAS-No.	EC-No.	Ingredient Percent
Proprietary Mixture	n/a	n/a	100%

Remarks

There are no additional hazardous ingredients greater than or equal to 1.0 wt% concentration or carcinogenic ingredients greater than or equal to 0.1 wt% concentration.

4. First Aid Measures

4.1	Description of first aid measures		
	General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.	
	Skin contact	Wash off with soap and water. Consult a physician if symptoms occur.	
	Eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician if symptoms occur.	
	Inhalation	In case of difficult breathing, move person to fresh air. Consult a physician if symptoms occur.	
	Ingestion	Never give anything by mouth to an unconscious person.	
4.2	Most important symptoms	and effects, both acute and delayed	
	Symptoms and effects	The most important known symptoms and effects are described in the labelling (see section 2.2) and in section 11.	
4.3	Indication of any immediate medical attention and special treatment needed		
	Other first aid	No data available	

5. Fire Fighting Measures

5.1	Suitable (and unsuitable) extinguishing media		
	Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.	
5.2	.2 Special hazards arising from the substance or mixture		
	Special hazards	Excessive thermal decomposition at very high temperatures can lead to release of irritating gases and vapors. Keep product and empty container away from heat and sources of ignition.	
5.3	Advice for firefighters		
	Protective equipment	Wear self-contained breathing apparatus for firefighting if necessary.	

6. Accidental Release Measures

6.1 Personal precautions, protective equipment, and emergency procedures Personal precautions For personal protection see section 8. 6.2 **Environmental precautions** Environmental precautions In case of large spills, dike spill to prevent runoff into sewers and drains. Recover as much of the material as possible. 6.3 Methods and materials for containment and cleaning up Methods for cleanup Soak up with inert absorbent material and dispose. Keep in suitable, closed containers for disposal. 6.4 References to other sections Other references For disposal see section 13.

7. Handling and Storage

General hygiene

7.1 General hygiene considerations

Avoid contact with skin and eyes. In case of large quantities of vapor or mist, use local exhaust or general dilution ventilation to control exposure within applicable limits. For precautions see section 2.2.

7.2 Precautions for safe handling

Safe handling precautions Keep container tightly closed in a cool, dry and well-ventilated place.

7.3 Conditions for safe storage, including any incompatibilities

Other storage conditions Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

8. Exposure Controls/Personal Protection

8.1 Control and exposure limits recommended by the chemical manufacturer		recommended by the chemical manufacturer
	OSHA Standards	No data available
	Threshold Limit Values	No data available
	NIOSH Recommendations	No data available
8.2	Appropriate engineering con	trols
	Engineering controls	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday. Use adequate ventilation where dust forms to keep concentration under exposure control limits.
8.3	Individual protection measur	res, such as personal protective equipment
	Respiratory protection	None required for consumer use. For manufacturing quantities: where risk assessment shows air- purifying respirators are appropriate use a full-face respirator with multipurpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
	Eye/face protection	None required for consumer use. For manufacturing quantities: safety glasses with side-shields conforming to EN166 are recommended. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).
	Hand protection	None required for consumer use. For manufacturing quantities: handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.
	Body protection	None required for consumer use. For manufacturing quantities: wear impervious clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

9. Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

a)	Physical appearance	Clear liquid
b)	Odor	Odorless
C)	Odor threshold	No data available
d)	рН	No data available
e)	Melting/freezing point	No data available
f)	Boiling point	>200 °C (>392 °F) @ 760 mmHg
g)	Flash point (closed cup)	>93 °C (>200 °F)
h)	Evaporation rate	No data available
i)	Flammability (solid, gas)	No data available
j)	Upper/lower flammability or explosive limits	Upper (UEL): No data available Lower (LEL): No data available
k)	Vapor pressure	No data available
I)	Vapor density	No data available
m)	Relative density	0.8424 g/mL
n)	Water solubility	No data available
o)	Partition coefficient octanol/water	No data available

- p) Auto-ignition temp No data available
- q) Decomposition temp No data available
- r) Viscosity No data available

10. Stability and Reactivity

10.1	Reactivity Reactivity	No data available
10.2	Chemical stability Chemical stability	Stable under ordinary conditions of use and storage.
10.3	Possibility of hazardous read Hazardous reactions	c tions No data available
10.4	Conditions to avoid Conditions to avoid	Avoid temperatures exceeding the flashpoint.
10.5	Incompatible materials Incompatible materials	Strong oxidizing agents
10.6	Hazardous decomposition p	roducts

In the event of fire, see section 5.

Hazardous products

11. Toxicological Information

11.1

Acute toxicity Acute oral toxicity No data available	
Acute dermal toxicityNo data availableAcute inhalation toxicityNo data available	
Skin corrosion/irritation	
Skin corrosion irritation No data available	
Serious eye damage/eye irritation	
Eye damage/eye irritation No data available	
Respiratory or skin sensitization	
Respiratory sensitizer No data available	
Skin sensitizer No data available	
Germ cell mutagenicity Mutagenicity No data available	
Suspected cancer agent	
ACGIH No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen.	
NTP No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen.	
OSHA No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen.	
IARC No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen.	
Reproductive toxicity	
Reproductive toxicity This product is not reported to produce mutagenic, embryotoxic, teratogenic, or reproductive eff in humans.	fects
Aspiration hazard	
Aspiration hazard No data available	

12.1	1 Ecotoxicity (aquatic and terrestrial)	
	Ecotoxicity	No data available
12.2	Persistence and degradabilit	у
	Degradability	No data available
12.3	Bioaccumulation potential	
	Bioaccumulation	No data available
12.4	Mobility in soil	
	Mobility in soil	No data available
12.5	Results of PBT and vPvB ass	sessment
	PBT/vPvB assessment	Not available as chemical safety assessment not required/not conducted.

13. Disposal Considerations

13.1 Waste treatment methods

Waste treatment disposal Wa

Waste disposal must be in accordance with appropriate Federal, State, and local regulations. This product, if unaltered by use, may be disposed of by treatment at a permitted facility or as advised by your local hazardous waste regulatory authority

14. Transport Information

DOT

Not dangerous goods TDG Not dangerous goods IMDG Not dangerous goods

IATA

Not dangerous goods

15. Regulatory Information

15.1 Safety, health, and environmental regulations specific to the product or mixture

SARA 302 Components	No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.
SARA 311/312 Hazards	This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 311/312.
SARA 313 Components	This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.
TSCA	All components of this product are on the TSCA list.
EINECS	All components of this product are on the European Inventory of Existing Commercial Chemical Substances.
Canada DSL	All components of this product are on the Canada Domestic Substance List.
CA Prop. 65 Components	This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

16. Other Information

HMIS Rating	Health hazard: 1 Flammability: 1 Physical Hazard: 0
NFPA Rating	Health hazard: 1 Fire Hazard: 1 Reactivity Hazard: 0

Revision Date

20 February 2019

The information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. FLPX, LLC assumes no responsibility for injury to the vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Additionally, FLPX, LLC assumes no responsibility for injury to vendee or third persons proximately caused by use of the material even if reasonable safety procedures are followed. Furthermore, vendee assumes the risk in his use of the material.

Abbreviations and acronyms	IMDG - International Maritime Code for Dangerous Goods
	TDG - Transportation of Dangerous Goods
	IATA - International Air Transport Association
	GHS - Globally Harmonized System of Classification and Labelling of Chemicals
	PBT - Persistent, bioaccumulative and toxic assessment
	vPvB - Very persistent and very bioaccumulative assessment
	ACGIH - American Conference of Governmental Industrial Hygienists
	NIOSH - National Institute for Occupational Safety and Health
	TLV - Threshold Limit Values
	CAS - Chemical Abstracts Service (division of the American Chemical Society)
	NFPA - National Fire Protection Association
	HMIS - Hazardous Materials Identification System
	CFR - Code of Federal Regulations
	SARA - Superfund Amendments and Reauthorization Act
	DOT - US Department of Transportation
	EC50 - Half maximal effective concentration
	LD50 - Median lethal dose
	LC50 - Median lethal concentration
	SDS - Safety Data Sheet