





This safety data sheet complies with the requirements of: Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008

Revision Date 09-Jul-2019

Version 1.01

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

1.1. Product identifier

	Santian 2. HAZADDS IDENTIFICATION	
Emergency telephone	Chemtrec: 1-800-424-9300 for US/ 703-527-3887 outside US	
E-mail Address 1.4. Emergency telephone number	cpisano@apexflavors.com	
For further information, please contact:		
Manufacturer	Apex Flavors, Inc. 1371 Brass Mill Rd. Suite A Belcamp, MD 21017 (410) 565-6600	
1.3. Details of the supplier of the sa	fety data sheet	
Uses advised against	No information available	
Recommended Use	Ingredient for further processing	
1.2. Relevant identified uses of the s	substance or mixture and uses advised against	
Pure substance/mixture	Mixture	
Product Code(s) Product name	811TTB GUAJILLO CHILI EXTRACT, NATURAL	

Section 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

REGULATION (EC) NO 1272/2008	
Serious eye damage/eye irritation	Category 2 - (H319)
Carcinogenicity	Category 1A - (H350)
Chronic aquatic toxicity	Category 3 - (H412)
Flammable liquids	Category 3 - (H226)



Danger

Hazard Statements

H319 - Causes serious eye irritation
H350 - May cause cancer
H412 - Harmful to aquatic life with long lasting effects
H226 - Flammable liquid and vapor
Contains LIMONENE EUH208 - May produce an allergic reaction

Precautionary Statements - EU (§28, 1272/2008)

P201 - Obtain special instructions before use
P280 - Wear protective gloves/protective clothing/eye protection/face protection
P308 + P313 - IF exposed or concerned: Get medical advice/attention
P370 + P378 - In case of fire: Use .? to extinguish
P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking
P273 - Avoid release to the environment

2.3. Other information

No information available

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Chemical Name	EC-No	CAS-No	Weight %	Classification according to Regulation (EC) No. 1272/2008 [CLP]	REACH Registration Number
ETHYL ALCOHOL	200-578-6	64-17-5	50-90%	Flam. Liq. 2 (H225) Eye Irrit. 1 (H319)	No data available
LIMONENE	227-813-5	5989-27-5	<1%	Aquatic Acute 1 (H400) Skin Sens. 1 (H317) Skin Irrit. 1 (H315) Asp. Tox. 1 (H304) Aquatic Chronic 1 (H410) Flam. Liq. 3 (H226)	No data available

For the full text of the R-phrases mentioned in this Section, see Section 16

Full text of H- and EUH-phrases: see section 16

Section 4: FIRST AID MEASURES

4.1. Description of first aid measures

Inhalation	Move to fresh air.	
Skin contact	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.	
Eye contact	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.	
Ingestion	Clean mouth with water and drink afterwards plenty of water.	
4.2. Most important symptoms and effects, both acute and delayed		
Main Symptoms	No information available.	
4.3. Indication of any immediate medical attention and special treatment needed		

Note to physicians

Treat symptomatically.

Section 5: FIRE FIGHTING MEASURES

5.1. Extinguishing media

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media

No information available

5.2. Special hazards arising from the substance or mixture

Thermal decomposition can lead to release of irritating gases and vapors

5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective suit. Use personal protective equipment.

Section 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions

Ensure adequate ventilation.

For emergency responders

Use personal protection recommended in Section 8.

6.2. Environmental precautions

Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

6.3. Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Take up mechanically, placing in appropriate containers for disposal.

6.4. Reference to other sections

See section 8 for more information. See section 13 for more information.

Section 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Advice on safe handling

Ensure adequate ventilation.

General Hygiene Considerations

Handle in accordance with good industrial hygiene and safety practice.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions

Keep container tightly closed in a dry and well-ventilated place.

Incompatible products

None known based on information supplied.

7.3 Specific end use(s)

Risk Management Methods (RMM)

The information required is contained in this Material Safety Data Sheet.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Chemical Name	European Union	The United Kingdom	France	Spain	Germany
ETHYL ALCOHOL	-	STEL: 3000 ppm	VME: 1000 ppm VME:	VLA-ED: 1000 ppm	-
64-17-5		STEL: 5760 mg/m ³	1900 mg/m ³	VLA-ED: 1910 mg/m ³	
		TWA: 1000 ppm TWA:	VLCT: 5000 ppm	_	
		1920 mg/m ³	VLCT: 9500 mg/m ³		
Chemical Name	Italy	Portugal	The Netherlands	Finland	Denmark
ETHYL ALCOHOL	-	TWA: 1000 ppm	Skin	TWA: 1000 ppm TWA:	TWA: 1000 ppm TWA:
64-17-5			STEL: 1900 mg/m ³	1900 mg/m ³	1900 mg/m ³
			TWA: 260 mg/m ³	STEL: 1300 ppm	_
			_	STEL: 2500 mg/m ³	
LIMONENE	-	-	-	TWA: 25 ppm TWA:	-
5989-27-5				140 mg/m ³	
				STEL: 50 ppm STEL:	
				280 mg/m ³	
Chemical Name	Austria	Switzerland	Poland	Norway	Ireland
ETHYL ALCOHOL	STEL 2000 ppm STEL	STEL: 1000 ppm	NDS: 1900 mg/m ³	TWA: 500 ppm TWA:	TWA: 1000 ppm TWA:
64-17-5	3800 mg/m ³	STEL: 1920 mg/m ³		950 mg/m ³	1900 mg/m³
	MAK: 1000 ppm MAK:	MAK: 500 ppm MAK:		STEL: 625 ppm STEL:	
	1900 mg/m ³	960 mg/m ³		1187.5 mg/m³	
LIMONENE	-	STEL: 40 ppm STEL:	-	TWA: 25 ppm TWA:	-
5989-27-5		220 mg/m ³		140 mg/m ³	
		MAK: 20 ppm MAK:		STEL: 37.5 ppm	
		110 mg/m ³		STEL: 175 mg/m ³	

Derived No Effect Level (DNEL)

No information available.

Predicted No Effect Concentration No information available. (PNEC)

8.2. Exposure controls

Engineering Controls	Ensure adequate ventilation, especially in confined areas.
Personal protective equipment Eye/face protection Skin and body protection Respiratory protection	Tightly fitting safety goggles. Long sleeved clothing. NIOSH/MSHA approved respiratory protection is required to be worn.

Environmental Exposure Controls No information available.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state Appearance Aroma Color	liquid clear sweet Smoky Spicy earthy astringent yellow	
<u>Property</u> pH	Values	• Method No information available

Melting/freezing point Boiling point/boiling range Flash Point Evaporation rate Flammability (solid, gas) Flammability Limits in Air	24 °C / 76 °F	No information available FCC Method Closed cup FCC Method No information available
Upper flammability limit lower flammability limit		No information available No information available
Vapor pressure mm Hg 20°C		No information available
Vapor density Relative density		No information available No information available
Specific Gravity @ 25C	0.8937 - 0.9237	FCC Method
Specific Gravity @ 20C	0.8967 - 0.9267	FCC Method
Refractive Index	1.3494 - 1.3794	FCC Method
Water solubility		No information available
Solubility in other solvents		No information available
Partition coefficient: n-octanol/wat	er	No information available
Autoignition temperature		No information available No information available
Decomposition temperature Viscosity, kinematic		No information available
Viscosity, dynamic		No information available
Explosive properties	No information available	
Oxidizing Properties	No information available	
9.2. Other information		
Softening point Molecular Weight VOC Content(%) Density VALUE Bulk Density VALUE	No information available No information available No information available No information available No information available	

Section 10: STABILITY AND REACTIVITY

10.1. Reactivity

No data available.

10.2. Chemical stability

Stable under normal conditions.

Explosion data Sensitivity to Mechanical Impact none. Sensitivity to Static Discharge Yes.

10.3. Possibility of hazardous reactions

Hazardous Reactions None under normal processing.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

No information available.

10.6. Hazardous decomposition products

None under normal use conditions.

Section 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity

Product Information

Product does not present an	acute toxicity hazard based on known or supplied information.
Inhalation	There is no data available for this product.
Eye contact	There is no data available for this product.
Skin contact	There is no data available for this product.
Ingestion	There is no data available for this product.
-	

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral)	7,132.00 mg/kg
ATEmix (dermal)	8,030.00 mg/kg
ATEmix (inhalation-dust/mist)	67,221.31 mg/l
Unknown Acute Toxicity	

99.1% of the mixture consists of ingredient(s) of unknown toxicity.

39.6 % of the mixture consists of ingredient(s) of unknown acute oral toxicity.

97.615 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity.

99.1 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas).

99.1 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor).

41.085 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist).

Oral LD50

Chemical Name	Oral LD50	Dermal LD50	LC50 Inhalation
ETHYL ALCOHOL	7060 mg/kg (Rat)		124.7 mg/L (Rat)4 h
Skin corrosion/irritation	No information available.		
Eye damage/irritation	No information available.		
Sensitization	No information available.		
Germ Cell Mutagenicity	No information available.		
Carcinogenicity	No information available.		
Reproductive toxicity	No information available.		
Specific target organ systemic toxicity (single exposure)	No information available.		
Specific target organ systemic toxicity (repeated exposure)	No information available.		
Target Organ Effects	Blood, Central nervous sys Skin.	stem, Eyes, Liver, Reproductive	system, Respiratory system,
Aspiration hazard	No information available.		

Section 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Ecotoxicity

Toxic to aquatic life Harmful to aquatic life with long lasting effects

39.6% of the mixture consists of components(s) of unknown hazards to the aquatic environment

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to daphnia and other
			aquatic invertebrates
ETHYL ALCOHOL	-	12.0 - 16.0: 96 h Oncorhynchus	9268 - 14221: 48 h Daphnia magna
		mykiss mL/L LC50 static 100: 96 h	mg/L LC50 10800: 24 h Daphnia
		Pimephales promelas mg/L LC50	magna mg/L EC50 2: 48 h Daphnia
		static 13400 - 15100: 96 h	magna mg/L EC50 Static
		Pimephales promelas mg/L LC50	
		flow-through	
LIMONENE	-	0.619-0.796: 96 h Pimephales	-
		promelas mg/L LC50 flow-through	
		35: 96 h Oncorhynchus mykiss	
		mg/L LC50	

12.2. Persistence and degradability

No information available.

12.3. Bioaccumulative potential

No information available.

Chemical Name	log Pow
ETHYL ALCOHOL	-0.32

12.4. Mobility in soil

Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

No information available.

12.6. Other adverse effects

No information available

Section 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste from residues / unused	Dispose of in accordance with local regulations.
products	

Contaminated packaging

Empty remaining contents.

Section 14: TRANSPORT INFORMATION

IMDG / IMO	
14.1 UN/ID No	1197
14.2 Proper shipping name	EXTRACTS, FLAVOURING, LIQUID
14.3 Hazard class	3
14.4 Packing Group	III

DOT/ADR/RID 14.1 UN/ID No 14.2 Proper shipping name 14.3 Hazard class 14.4 Packing Group	1197 EXTRACTS, FLAVOURING, LIQUID 3 III
ΙCAO/ΙΑΤΑ	
14.1 UN/ID No	1197
14.2 Proper shipping name	EXTRACTS, FLAVOURING, LIQUID
14.3 Hazard class	3
14.4 Packing Group	III
14.5 Environmental hazard	Not applicable
14.6 Special Provisions	None

Section 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

Authorizations and/or restrictions on use:

This product does not contain substances subject to authorization (Regulation (EC) No. 1907/2006 (REACH), Annex XIV) This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

Persistent Organic Pollutants

Not applicable

Ozone-depleting substances (ODS) regulation (EC) 1005/2009 Not applicable

International Inventories

TSCA	Complies
DSL/NDSL	Complies
EINECS/ELINCS	Complies
ENCS	Complies
IECSC	Complies
KECL	Complies
PICCS	Complies
AICS	Complies

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

 $\ensuremath{\mathsf{DSL/NDSL}}$ - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

15.2. Chemical safety assessment

No information available

Section 16: OTHER INFORMATION

Key or legend to abbreviations and acronyms used in the safety data sheet

Full text of R-phrases referred to under sections 2 and 3

No information available

R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment

Full text of H-Statements referred to under section 3

H400 - Very toxic to aquatic life

- H317 May cause an allergic skin reaction
- H315 Causes skin irritation
- H304 May be fatal if swallowed and enters airways
- H410 Very toxic to aquatic life with long lasting effects
- H226 Flammable liquid and vapor

H225 - Highly flammable liquid and vapor

H319 - Causes serious eye irritation

Legend

SVHC: Substances of Very High Concern for Authorization:

Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION TWA: Time weighted average STEL: Short term exposure limit Ceiling: Maximum limit value: * Skin designation Revision Date 09-Jul-2019 09-Jul-2019 09-Jul-2019

Reason for revision: Not applicable.

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

WARNING/DISCLAIMER: Apex Fla

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