

## safety data sheet.

### date prepared.

June 20, 2023

### section 1 - product + company identification.

#### 1.1 product identifier.

mulled spices & toffee vanilla

#### 1.2 recommended use of the chemical and restrictions on use.

Recommended use: Fragrance.

Restrictions on use: Not for ingestion.

#### 1.3 details of the supplier of the safety data sheet.

Makesy

Email: create@makesy.com

Day time: 714.594.7790

#### 1.4 for further information, please contact.

Chemtrec +1 (800) 424-9300

### section 2 - hazards identification.

#### 2.1 classification of the substance or mixture.

##### Classification of the chemical

Flam. Liq. 4 Combustible liquid.

Skin Irrit. 2 Causes skin irritation.

Eye Irrit. 2A Causes serious eye irritation.

Skin Sens. 1A May cause an allergic skin reaction.

Aquatic Acute 2 Toxic to aquatic life.

Aquatic Chronic 3 Harmful to aquatic life with long lasting effects.

#### 2.2 label elements.



##### signal word.

Warning.

## **hazard statements.**

H227 Combustible liquid  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H319 Causes serious eye irritation.  
H401 Toxic to aquatic life  
H412 Harmful to aquatic life with long lasting effects.

## **precautionary statements.**

P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P302+P352 IF ON SKIN: Wash with plenty of water/...  
P305+P351+P338  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.  
P337+P313 If eye irritation persists: Get medical advice/attention.

## **section 3 - composition / information on ingredients.**

### **3.1 mixture.**

The composition of this proprietary blend is being withheld in compliance with the trade secret provisions of The Hazard Communication Standard (29 CFR 1910.1200(i)).

## **section 4 - first aid measures.**

### **4.1 description of first aid measures.**

#### **In case of skin contact:**

Immediately take off all contaminated clothing. Remove contaminated clothing immediately and dispose off safely. After contact with skin, wash immediately with soap and plenty of water.

#### **In case of eyes contact:**

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately. Protect uninjured eye.

#### **In case of Ingestion:**

Do not induce vomiting, get medical attention showing the SDS and/or label.

#### **In case of Inhalation:**

Remove person to fresh air and keep warm and at rest. ingestion.

### **4.2 most important symptoms and effects, acute and delayed.**

Eye irritation  
Eye damages  
Skin Irritation  
Erythema

### **4.3 indication of any immediate medical attention and special treatment needed.**

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

## section 5 - fire-fighting measures.

### 5.1 extinguishing media.

**Suitable extinguishing media:** Water. Carbon dioxide (CO<sub>2</sub>).

**Unsuitable extinguishing media:** None in particular.

### 5.2 specific hazards arising from the chemical.

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

**Hazardous combustion products:** Data not available.

**Explosive properties:** Data not available.

**Oxidizing properties:** Data not available.

### 5.3 special protective equipment and precautions for fire-fighters.

Use suitable breathing apparatus. Collect contaminated fire extinguishing media separately. This must not be discharged into drains. Move undamaged containers from immediate hazard area if it can be done safely.

## section 6 - accidental release measures.

### 6.1 personal precautions, protective equipment and emergency procedures.

Wear personal protection equipment. Remove persons to safety. See protective measures under point 7 and 8.

### 6.2 methods for containment and cleaning up.

Suitable material for taking up: absorbing material, organic, sand. Wash with plenty of water.

## section 7 - handling and storage.

### 7.1 precautions for safe handling.

Avoid contact with skin and eyes, inhalation of vapours and mists. Don't use empty container before they have been cleaned. Before making transfer operations, assure that there aren't any incompatible material residuals in the containers. Contaminated clothing should be changed before entering eating areas.

Do not eat or drink while working. See also section 8 for recommended protective equipment.

### 7.2 conditions for safe storage, including any incompatibilities.

Storage temperature:

**Incompatible materials:** None in particular.

**Instructions as regards storage premises:** Adequately ventilated premises.

## section 8 - exposure controls / personal protection.

### 8.1 control parameters.

Community Occupational Exposure Limits (OEL)

Component	OEL Type	Country	Ceiling	Long Term mg/m3	Long Term ppm	Short Term mg/m3	Short Term ppm
Citral	ACGIH						5
d-limonene	MAK					28	5

**Behavior      Notes**

Appropriate engineering controls: Data not available.

## 8.2 individual protection measures.

**Eye protection:** Use close fitting safety goggles, don't use eye lens.

**Protection for skin:** Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton.

**Protection for hands:** Use protective gloves that provides comprehensive protection, e.g. P.V.C., neoprene or rubber.

**Respiratory protection:** Data not available.

## section 9 - physical and chemical properties.

### 9.1 information on basic physical and chemical properties.

**Physical:** State Liquid

**Appearance and colour:** Light Yellow

**Odour:** Conform

**Odour threshold:** Data not available

**pH:** Data not available

**Melting point / freezing point:** Data not available

**Initial boiling point and boiling range:** Data not available

**Flash point:** 91.1 °C (196 °F)

**Evaporation rate:** Data not available

**Upper/lower flammability or explosive limits:** Data not available

**Vapour density:** Data not available

**Vapor Pressure (mm Hg @20°C):** = 0.142

**Relative density:** 0.943 g/ml

**Solubility in water:** Data not available

**Solubility in oil:** Data not available

**Partition coefficient (n-octanol/water):** Data not available

**Auto-ignition temperature:** Data not available

**Decomposition temperature:** Data not available

**Viscosity:** Data not available

**Explosive properties:** Data not available

**Oxidizing properties:** Data not available

**Solid/gas flammability:** Data not available

**Specific Gravity @20°C:** = 0.945

**Refractive Index @20°C:** = 1.465

**VOC (CARB method 310) %:** 13.307

### 9.2 other information.

**Substance Groups relevant properties:** Data not available

**Miscibility:** Data not available

**Fat Solubility:** Data not available

**Conductivity:** Data not available

## section 10 - stability and reactivity.

### 10.1 reactivity.

Stable under normal conditions.

### 10.2 chemical stability.

Data not Available.

### 10.3 conditions to avoid.

Stable under normal conditions.

### 10.4 incompatible material.

None in particular.

### 10.5 hazardous decomposition products.

None.

## section 11 - toxicological information.

### 11.1 Information on toxicological effects.

**Acute Toxicity:** Not classified. Based on available data, the classification criteria are not met.

**Skin Corrosion/irritation:** The product is classified: Skin Irrit. 2(H315).

**Serious Eye Damage/irritation:** The product is classified: Eye Irrit. 2A(H319).

**Respiratory or Skin Sensitization:** The product is classified: Skin Sens. 1A(H317).

**Carcinogenicity:** Not classified. Based on available data, the classification criteria are not met.

**Reproductive Toxicity:** Not classified. Based on available data, the classification criteria are not met.

**STOT – Single Exposure:** Not classified. Based on available data, the classification criteria are not met.

**STOT – Repeated Exposure:** Not classified. Based on available data, the classification criteria are not met.

**Aspiration Hazard:** Not classified. Based on available data, the classification criteria are not met.

### 11.2 toxicological information on main components of the mixture.

Citral	a) acute toxicity	LD50 Oral Rat = 4960 mg/kg LD50 Skin Rabbit = 2250 mg/kg LD50 Oral Rat = 4400 mg/kg
d-limonene	a) acute toxicity	LD50 Skin Rabbit > 5000 mg/kg LD50 Skin Rat = 2250 mg/kg
Ethyl maltol	a) acute toxicity	LD50 Oral Rat = 1200 mg/kg LD50 Skin Rabbit > 5000 mg/kg
Ethyl vanillin	a) acute toxicity	LD50 Oral Rat = 3000 mg/kg LD50 Skin Rabbit > 7940 mg/kg
Cinnamaldehyde	a) acute toxicity	ATE Skin Rat = 1100 mg/kg LD50 Oral Rat = 2500 mg/kg LD50 Skin Rabbit > 2000 mg/kg

Eugenol	a) acute toxicity	ATE Oral Rat = 2500 mg/kg LD50 Oral Rat = 1930 mg/kg	
alpha-Terpineol	a) acute toxicity	LD50 Oral Mouse = 2830 mg/kg LD50 Oral Rat = 4300 mg/kg	
Geraniol	a) acute toxicity	LD50 Oral Rat = 3600 mg/kg LD50 Skin Rabbit > 5000 mg/kg	no deaths occurred
6,7-Dihydro-1,1,2,3,3-pentamethyl-4(5H)-indanone	a) acute toxicity	LD50 Oral Rat = 2900 mg/kg	
Methylcyclopentenolone	a) acute toxicity	LD50 Oral Rat = 1067 mg/kg	
1-(2,6,6-Trimethylcyclohexa-1,3-dienyl)-2-buten-1-one	a) acute toxicity	LD50 Skin Rat = 2900 mg/kg	

### 11.3 substance(s) listed on the IARC monographs.

None.

### 11.4 substance(s) listed as OSHA carcinogen(s).

None.

### 11.5 substance(s) listed as NIOSH carcinogen(s).

None.

### 11.6 substance(s) listed on the NTP report on carcinogens.

None.

## section 12 - ecological information.

### 12.1 toxicity.

No ecological studies have been conducted on this mixture.

Eco-Toxicological Information:

**List of Eco-Toxicological properties of the product:** The product is classified: Aquatic Acute 2(H401), Aquatic Chronic 3(H412).

**List of Eco-Toxicological properties of the components:**

component	Ident. numb	ecotox data
Citral	CAS: 5392-40-5- EINECS: 605-019-00-3 -INDEX: 226-394-6	EC50 Daphnia Daphnia magna = 7 mg/L 48 Hr EC50 Algae Desmodesmus subspicatus = 16 mg/L 72H LC50 Fish Leuciscus idus = 4.6 mg/L 96 Hr - static 4.6-10
d-limonene	CAS: 5989-27-5- EINECS: 601-096-00-2 -INDEX: 227-813-5	LC50 Fish Pimephales promelas = 0.619 mg/L 96 Hr - flow-through 0.619-0.796 LC50 Fish Oncorhynchus mykiss = 35 mg/L 96 Hr EC50 Daphnia 69.90000 mg/L 48h
Ethyl vanillin	CAS: 121-32-4 - INDEX: 204- 464-7	LC50 Fish Pimephales promelas = 81.4 mg/L 96 Hr - flow-through 81.4-94.3
alpha-Cedrene	CAS: 469-61-4- INDEX: 207-418-4	EC50 Daphnia 0.04400 mg/L 48 Hr

## 12.2 persistence and degradability.

No data available.

## 12.3 bioaccumulative potential.

No data available.

## 12.4 mobility in soil.

No data available.

## 12.5 other adverse effects.

No data available.

## section 13 - disposable considerations.

### 13.1 waste treatment methods.

Recover if possible. In so doing, comply with the local and national regulations currently in force.

## section 14 - transportation information.

### 14.1 UN number.

ADR-UN number: N/A

DOT-UN Number: N/A

IATA-Un number: N/A

IMDG-Un number: N/A

### 14.2 UN proper shipping name.

ADR-Shipping Name: N/A

DOT Proper Shipping Name: N/A

IATA-Technical name: N/A

IMDG Technical Name: N/A

### 14.3 transport hazard class(es).

ADR-Class: N/A

DOT Hazard Class: N/A

IATA-Class: N/A

IMDG-Class: N/A

### 14.4 packing group.

ADR-Packing Group: N/A

ADR exempt: N/A

IATA-Packing group: N/A

IMDG-Packing group: N/A

### 14.5 environmental hazards.

Marine pollutant: No

## 14.1 transport in bulk according to Annex II of MARPOL73/78 and the IBC Code.

Data not available.

## 14.1 special precautions.

IATA-Subsidiary hazards:

IMDG-Subsidiary hazards:

\* Note: In containers of 119 gallons or less, this product is not regulated by D.O.T. - Ground Transportation.

## section 15 - regulatory information.

### 15.1 USA - State specific regulations.

California Proposition 65:

Substance(s) listed under California Proposition 65: No substances listed.

## section 16 - other information.

### 16.1 disclaimer.

The information provided by makesy in this Safety Data Sheet was written to the best of our knowledge, information, and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal, and release and is not intended to be considered a warranty or quality specification. It is the responsibility of the user to review all safety information about this product and determine its safety and suitability in their own processes and operations. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. Appropriate warnings and safe handling procedures should be provided to all handlers and users. makesy shall not be held liable for any damage resulting from handling or from contact with the above product.

### 16.2 additional classification information.

This SDS cancels and supercedes any prior release.



HMIS Health: 0 = Minimal Hazard

HMIS Flammability: 2 = Combustible liquid

HMIS Reactivity: 0 = Minimal Hazard

HMIS P.P.E.: Safety glasses, gloves

NFPA Health: 0 = MINIMAL

NFPA Flammability: 3 = Flammable liquid

NFPA Reactivity: 0 = MINIMAL

NFPA Special Risk: NONE

OSHA Flammability: Combustible liquid - Class IIIA