



# MATERIAL SAFETY DATA SHEET

## Section 1 Product Identification

1.1	Product Name TL TROPICAL MANGO
1.2	Chemical Name
1.3	Article number and barcode 30216878
1.4	5010414371011
1.5	Product use: Scented candle
1.6	Supplier's Name
1.7	Supplier's Address
1.8	Emergency Phone SER SPA +39 (0) 119455511
1.9	Other

## Section 2 Hazard Identification

2.1	Hazard Identification:			
2.2	Routes of entry	Inhalation	Absorption	Ingestion
2.3	Effects of exposure. Ingestion: Eyes: Skin: Inhalation:			
2.4	Symptoms of Over exposure Ingestion: Eyes: Skin: Inhalation:			
2.5	Acute Health Effects Ingestion: Eyes: Skin: Inhalation:			
2.6	Chronic Health Effects			
2.7	Target organs			
2.8	Toxicological Properties			
NA= Not Available ND= Not Determined NE= Not Established NF = Not Found C= Ceiling Limit				



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## Section 3 Composition & Ingredient Information

Chemical Name(s)	CAS No.	RTECs No.	EINECS No.	%	Exposure Limits in Air (mg/m <sup>2</sup> )								
					ACGIH		NOHSC			OSHA			Other
					ppm		ppm			ppm			
					TLV	STEL	ES-TWA	ES-STEL	ES-PEAK	TLV	STEL	IDLH	
4-tert-Butylcyclohexyl acetate	32210-23-4250-954-901-2119976286-24-0006			0.0 2- 0.1									
(RP-p-Mentha-1,8-diene	5898-27-5227-813-5			0.0 2- 0.1									
Geraniol	106-24-1203-377-1			0.0 2- 0.1									

4.1	<p><b>Frist Aid:</b>            Ingestion: If symptoms persist, call a physician            Eyes: Rinse with plenty of water. Get medical attention if irritation develops and persists            Skin: Cool rapidly with cold water after contact with molten material. Get medical attention if irritation develops and persists.            Inhalation: No special requirements</p>
4.2	Medical Conditions aggravated by expose:

## 5. Firefighting Measures

5.1	Flashpoint & method: >=135 C Method: ASTM D 93			
5.2	Auto-ignition Temperature: not auto flammable			
5.3	Flammability limits	Lower explosive limit (LEL)		Upper explosive limit (UEL)
5.4	Extinguishing methods: Use extinguishing measures that are appropriate to local			

	circumstances and the surrounding environment
5.5	Firefighting Procedures: in the event of fire, wear self-contained breathing apparatus. Wear suitable protective clothing and gloves
Additional information: Fight fire with normal precautions from a reasonable distance	

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### Section 6. Accidental release measures

6.1	Spills: Clean residue from spill site, sweep up and shovel into suitable containers for disposal
6.2	Any other forms of release:

### Section 7. Handling & storage information

7.1	Work & Hygiene practices:
7.2	Storage & handling: Burn candle within sight. Never touch, lift or move a candle while lit. Never burn candle on or near anything that can catch fire. Normal measures for preventive fire protection. Keep out of reach of children. No decomposition if stored and applied as directed
7.3	Special precautions:
7.4	Additional information:

### Section 8. Exposure controls & personal protection

8.1	Ventilation & engineering controls:	
8.2	Respiratory protection. No Personal respiratory protective equipment normally required	
8.3	Eye protection. No Special Requirements	
8.4	Hand protection. For prolonged or repeated contact use protective gloves	
8.5	Body protection. No Special Requirements	
		<b>HEALTH</b>
		<b>FLAMMABILITY</b>
		<b>PHYSICAL HAZARDS</b>

		<b>SPECIAL EQUIPMENT</b>			



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### Section 9. Physical & chemical properties


9.1	Density	
9.2	Boiling point	Test not applicable for this product type
9.3	Melting point	Test not applicable for this product type
9.4	Evaporation rate	Test not applicable for this product type
9.5	Vapour pressure	Test not applicable for this product type
9.6	Molecular weight	
9.7	Appearance & colour	Wax, WHITE
9.8	Odour threshold	Characteristic
9.9	Solubility	insoluble
9.10	pH	Test not applicable for this product type
9.11	Viscosity	Test not applicable for this product type
9.12	Other information	None identified

### Section 10. Stability & reactivity

10.1	Stability: Stable under recommended storage conditions
10.2	Hazardous Decomposition products: No decomposition if stored and applied as directed
10.3	Hazardous polymerization
10.4	Conditions to avoid: Extremes of temperature and direct sunlight
10.5	Incompatible substances: None known

### Section 11. toxicological information

11.1	Toxicity data: Mixture:	
11.2	Acute toxicity: Based on available date, the classification criteria are not met	
11.3	Chronic toxicity:	
11.4	Suspected toxicity	
11.5	Reproductive toxicity: Based on available date, the classification criteria are not met	
	Mutagenicity	
	Embryo toxicity	
	Teratogenicity	
	Reproductive toxicity	Based on available date, the classification criteria are not met
11.6	Irritancy of product: Based on available date, the classification criteria are not met	
11.7	Biological exposure indices	
11.8	Physician recommendations	
11.9	Additional information	

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<b>Section 12. Ecological information</b>	

12.1	Environmental stability
12.2	Effect on plants & animals
12.3	Effect on aquatic life:

<b>Section 13. Disposal consideration</b>
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13.1	Waste Disposal: Product – do not dispose of waste in sewer. Do not contaminate ponds, waterways or ditches with chemical or used container. Disposal should be in accordance with local, state or national legislation. Please recycle empty packaging and do not re-use empty containers
13.2	Special Considerations

<b>Section 14. Transportation information</b>
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The basic description (ID number, proper shipping name, hazard class & division, packing group) is shown for each mode of transport. Additional descriptive information may be required by 49 CFR. IATA/ICAO, IMDG, TDGR, SCT and ADGR	
14.1	<b>49 CFR (GND) Not classified as dangerous in the meaning of the transport regulations</b>
14.2	<b>IATA (AIR) Not classified as dangerous in the meaning of the transport regulations</b>
14.3	<b>IMDG (OCN) Not classified as dangerous in the meaning of the transport regulations</b>
14.4	<b>TDGR (Canadian GND)</b>

14.5	ADR/RID (EU)	
14.6	Mexico (SCT)	
14.7	ADGR (AUS)	

### Section 15. regulatory information

15.1	U.S EPA SARA reporting requirements
15.2	U.S EPA SARA Threshold planning quantity
15.3	U.S EPA TSCA Inventory Status
15.4	U.S EPA CERCLA reportable quantity (RQ)
15.5	Other U.S Federal Requirements
15.6	Other regulations
15.7	U.S State regulatory Information
15.8	67/548/EEC (European Union) and Australia NOHSC:2011 (2003) requirements

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### Section 16. Other information

16.1	Other information:
16.2	Terms & definitions: Please refer to last page.
16.3	Disclaimers:
16.4	Prepared for:
16.5	Company full address:



## MATERIAL SAFETY DATA SHEET

### Definitions of terms

A large number of abbreviation and acronyms appear on a MSDS. Some of these that are commonly used include the following:

#### General information

**CAS No.** Chemical abstract service number

#### Exposure limits in the air

**ACGIH** American conference on governmental industrial hygienists

**TLV** Threshold limit value

**OSHA** U.S occupational safety and health administration

**PEL** Permissible exposure limit

**IDLH** Immediately dangerous to life and health

#### Frist Aid measures



































**CPR** Cardiopulmonary resuscitation- method in which a person whose heart has stopped receives manual chest compressions and breathing to circulate blood and provide oxygen to the body.

#### Hazardous materials identification systems: HMISH

##### Health, Flammability & reactivity ratings

0	Minimal Hazard		Hazard rating
1	Slight Hazard	<b>HEALTH</b>	
2	Moderate Hazard	<b>FLAMMABILITY</b>	
3	Severe Hazard	<b>PHYSICAL HAZARDS</b>	
4	Extreme Hazard	Personal Protection	













#### Personal Protection Ratings:

A		G	  
B	 	H	   
C	  	I	  
D	  	J	   
E	  	K	   
F	   	X	Consult your supervisor or S.O.P for special handling directions.

	<h1>MATERIAL SAFETY DATA SHEET</h1>
<h2>Definitions of terms</h2>	

A large number of abbreviation and acronyms appear on a MSDS. Some of these that are commonly used include the following:

**Personal Protection ratings:**

										
Safety glasses	Gloves	Face shield & eye protection	Splash goggles	Synthetic Apron	Full suit	Boots	Airline Hood/mask	Full face respirator	Vapor respirator	Dust & vapor respirator
		Note: The dotted circle indicates that this respiratory protective equipment is required for high concentrations or for large volume spills or releases of product.								

<b>Flammability limits in air</b>	
<b>Auto ignition temperature</b>	Minimum temperature required to initiate combustion in air with no other source of ignition.
<b>LEL</b>	Lower explosive limit- lowest percent of vapour in air, by volume that will explode or ignite in the presence of an ignition source.
<b>UEL</b>	Upper explosive limit- highest percent of vapour in air, by volume, that will explode or ignite in the presence of an ignition source.



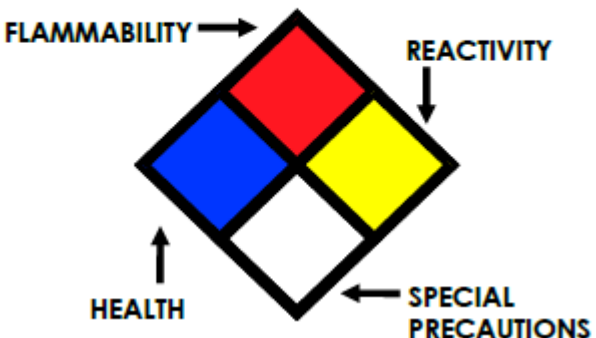
<b>Other Standard abbreviations:</b>	
<b>NA</b>	Not available
<b>NR</b>	No results
<b>NE</b>	Not established
<b>NF</b>	Not found
<b>ND</b>	Not determined
<b>ML</b>	Maximum limit
<b>SCBA</b>	Self- contained breathing apparatus

	<h2>MATERIAL SAFETY DATA SHEET</h2>
<h3>Definitions of terms</h3>	

A large number of abbreviation and acronyms appear on a MSDS. Some of these that are commonly used include the following:

#### National fire protection association: NFPA

##### Hazard ratings

<b>0</b>	Minimal Hazard	
<b>1</b>	Slight Hazard	
<b>2</b>	Moderate Hazard	
<b>3</b>	Severe Hazard	
<b>4</b>	Extreme Hazard	
<b>ACD</b>	Acidic	
<b>ALK</b>	Alkaline	
<b>COR</b>	Corrosive	
<b>W_</b>	Use no water	
<b>OX</b>	Oxidizer	









<b>Toxicological information</b>	
<b>LD 50</b>	Lethal dose (solids & liquids) which kills 50% of the exposed animals
<b>LC 50</b>	Lethal concentration (gases) which kills 50% of the exposed animals
<b>ppm</b>	Concentration expressed in parts of material per million parts
<b>TD 10</b>	Lowest dose to cause a symptom
<b>TCLo</b>	Lowest concentration to cause a symptom
<b>TD10, LD10 &amp;</b>	Lowest dose (or Concentration) to cause lethal or toxic effects

<b>LD<sub>0</sub> or TC, TC<sub>0</sub>, LC<sub>10</sub>, &amp; LC<sub>0</sub></b>	
<b>IARC</b>	International agency for research on cancer
<b>NTP</b>	National toxicology program
<b>RTECS</b>	Registry of toxic effect chemical substances
<b>BCF</b>	Bio concentration factor
<b>TL<sub>m</sub></b>	Median threshold limit
<b>Log K<sub>ow</sub> or Log K<sub>oc</sub></b>	Coefficient of oil/water distribution









	<b>MATERIAL SAFETY DATA SHEET</b>
<b>Definitions of terms</b>	

A large number of abbreviation and acronyms appear on a MSDS. Some of these that are commonly used include the following:

<b>Regulatory information</b>	
<b>CPR</b>	Canada's controlled product regulations
<b>DOT</b>	U.S. Department of transport
<b>EPA</b>	U.S Environmental protection agency
<b>EU</b>	European Union (European union directive 67/548/EEC)
<b>DSL</b>	Canadian domestic substance list
<b>MAK</b>	Mandat und die arbeitsweise der commission (work ares commission)
<b>NDSL</b>	Canadian non- domestic substance list
<b>NOHSC</b>	National occupational health & safety code (Australia)
<b>PSL</b>	Canadian Priority substances list
<b>TC</b>	Transport Canada
<b>TSCA</b>	U.S toxic substance control act
<b>WHMIS</b>	Canadian workplace hazardous material information system

<b>EC Information</b>							
							
<b>C</b>	<b>E</b>	<b>F</b>	<b>N</b>	<b>O</b>	<b>T+</b>	<b>Xi</b>	<b>Xn</b>
Corrosive	Explosive	Flammable	Harmful	Oxidizing	Toxic	Irritant	Harmful

<b>WHMIS Information</b>
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<b>A</b>	<b>B</b>	<b>C</b>	<b>D1</b>	<b>D2</b>	<b>D3</b>	<b>E</b>	<b>F</b>
Compressed	Flammable	Oxidizing	Toxic	Irritation	Infectious	Corrosive	Reactive