

### Safety Data Sheet

According to SANS 10234:2019 and SANS 11014:2010 Issue date: 5/17/2021 Version: 1.0

### **SECTION 1: Identification**

#### 1.1. Product identifier

Product form Mixture

VANILLA 33.297 Trade name Type of product Perfumes, Fragrances Product group Trade product

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : Perfumes, Fragrances

#### 1.3. Supplier's details

#### Manufacturer

Sensetek

24 Village Crescent, Linbro Business Park,

Sandton,

2065 Gauteng, - South Africa

T +27 11 608 4944/5

Mike.capon@sensetek.biz - http://sensetek.co.za/

### 1.4. Emergency telephone number

+27 83 382 1905 Emergency number

### **SECTION 2: Hazards identification**

### 2.1. Classification of the substance or mixture

#### **Classification according to the United Nations GHS**

Flammable liquids, Category 4 H227 Skin corrosion/irritation, Category 2 H315 Skin sensitisation, Category 1 H317 Carcinogenicity, Category 2 H351 Reproductive toxicity, Category 2 H361 Hazardous to the aquatic environment — Acute Hazard, Category 2 H401 Hazardous to the aquatic environment — Chronic Hazard, Category 2

Full text of H statements : see section 16

#### 2.2. Label elements

### Labelling according to the United Nations GHS

Hazard pictograms (GHS ZA)







Signal word (GHS-ZA) Warning

d-Limonene; Linalool; Linalyl acetate; beta-Pinene; p-Mentha-1,4-diene; Isoamyl salicylate; Hazardous ingredients

Eucalyptol; Hydroxycitronellal; Coumarin; Acetyl cedrene; alpha-Pinene; 10-Undecenal; beta-Caryophyllene; (Z)-3,4,5,6,6-Pentamethylhept-3-en-2-one; Citral; Eugenol; Estragole

Hazard statements (GHS ZA) : H227 - Combustible liquid

H315 - Causes skin irritation.

H317 - May cause an allergic skin reaction.

H351 - Suspected of causing cancer (Inhalation, oral). H361 - Suspected of damaging fertility or the unborn child. H411 - Toxic to aquatic life with long lasting effects.

Precautionary statements (GHS ZA) : P201 - Obtain special instructions before use.

P202 - Do not handle until all safety precautions have been read and understood.

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P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.

P261 - Avoid breathing fume, mist, spray, vapours.

P264 - Wash hands, face thoroughly after handling.

P272 - Contaminated work clothing should not be allowed out of the workplace.

P273 - Avoid release to the environment.

P280 - Wear eye protection, protective clothing, protective gloves.

P302+P352 - IF ON SKIN: Wash with plenty of water.

P308+P313 - IF exposed or concerned: Get medical advice.

P321 - Specific treatment (see supplemental first aid instruction on this label).

P332+P313 - If skin irritation occurs: Get medical advice.

P333+P313 - If skin irritation or rash occurs: Get medical attention.

P362+P364 - Take off contaminated clothing and wash it before reuse.

P370+P378 - In case of fire: Use carbon dioxide (CO2), dry extinguishing powder, foam to extinguish.

P391 - Collect spillage.

P403 - Store in a well-ventilated place.

P405 - Store locked up.

P501 - Dispose of contents to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

#### 2.3. Other hazards

Adverse physicochemical, human health and environmental effects

: Flammable liquid and vapour,Suspected of causing cancer (if inhaled, if swallowed),Suspected of damaging fertility. Suspected of damaging the unborn child. (if inhaled, if swallowed),Causes skin irritation,May cause an allergic skin reaction,Toxic to aquatic life,Toxic to aquatic life with long lasting effects.

### **SECTION 3: Composition/information on ingredients**

### 3.1. Substances

Not applicable

# 3.2. Mixtures

Name	Product identifier	%	Classification according to the United Nations GHS
Diethyl phthalate	CAS-No.: 84-66-2	35 – 52.5	Flam. Liq. 4, H227 Skin Irrit. 3, H316 Aquatic Acute 3, H402
Dihydromyrcenol	CAS-No.: 18479-58-8	7 – 14	Flam. Liq. 4, H227 Acute Tox. 5 (Oral), H303 Skin Irrit. 2, H315
d-Limonene	CAS-No.: 5989-27-5	3.5 – 7	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Linalool	CAS-No.: 78-70-6	0.7 – 3.5	Flam. Liq. 4, H227 Acute Tox. 5 (Oral), H303 Skin Irrit. 2, H315 Skin Sens. 1B, H317
HEXAMETHYLINDANOPYRAN	CAS-No.: 1222-05-5	0.7 – 3.5	Flam. Liq. Not classified Acute Tox. 5 (Oral), H303 Acute Tox. Not classified (Dermal) Skin Irrit. 3, H316 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

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Name	Product identifier	%	Classification according to the United Nations GHS
Linalyl acetate	CAS-No.: 115-95-7	0.7 – 3.5	Flam. Liq. 4, H227 Acute Tox. Not classified (Oral) Acute Tox. 5 (Dermal), H313 Skin Irrit. 2, H315 Skin Sens. 1B, H317 Aquatic Acute 3, H402
Benzyl acetate	CAS-No.: 140-11-4	0.7 – 3.5	Flam. Liq. Not classified Acute Tox. 5 (Oral), H303 Skin Irrit. 3, H316 Aquatic Acute 2, H401 Aquatic Chronic 3, H412
Isobornyl acetate	CAS-No.: 125-12-2	0.7 – 3.5	Flam. Liq. 4, H227 Skin Irrit. 3, H316 Aquatic Acute 2, H401
Patchouli alcohol	CAS-No.: 5986-55-0	0.7 – 3.5	Flam. Liq. Not classified Aquatic Acute 2, H401 Aquatic Chronic 2, H411
beta-Pinene	CAS-No.: 127-91-3	0.7 – 3.5	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1B, H317 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
p-Mentha-1,4-diene	CAS-No.: 99-85-4	0.07 – 0.7	Flam. Liq. 3, H226 Acute Tox. 5 (Oral), H303 Repr. 2, H361 Asp. Tox. 1, H304
Isoamyl salicylate	CAS-No.: 87-20-7	0.07 – 0.7	Flam. Liq. Not classified Acute Tox. 4 (Oral), H302 Skin Sens. 1B, H317 Aquatic Chronic 2, H411
Eucalyptol	CAS-No.: 470-82-6	0.07 – 0.7	Flam. Liq. 3, H226 Acute Tox. 5 (Oral), H303 Skin Sens. 1B, H317
Hydroxycitronellal	CAS-No.: 107-75-5	0.07 – 0.7	Flam. Liq. Not classified Eye Irrit. 2A, H319 Skin Sens. 1B, H317 Aquatic Acute 3, H402
Coumarin	CAS-No.: 91-64-5	0.07 – 0.7	Flam. Liq. Not classified Acute Tox. 4 (Oral), H302 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Inhalation), H331 Skin Sens. 1, H317 Aquatic Chronic 2, H411
Acetyl cedrene	CAS-No.: 32388-55-9	0.07 – 0.7	Flam. Liq. Not classified Acute Tox. 5 (Oral), H303 Skin Sens. 1B, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

# Safety Data Sheet

According to SANS 10234:2019 and SANS 11014:2010

Name	Product identifier	%	Classification according to the United Nations GHS
alpha-Pinene	CAS-No.: 80-56-8	0.07 – 0.7	Flam. Liq. 3, H226 Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Skin Sens. 1B, H317 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
10-Undecenal	CAS-No.: 112-45-8	0.07 – 0.7	Flam. Liq. 4, H227 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Skin Sens. 1, H317 Aquatic Acute 2, H401 Aquatic Chronic 3, H412
beta-Caryophyllene	CAS-No.: 87-44-5	0.07 – 0.7	Flam. Liq. Not classified Skin Sens. 1B, H317 Asp. Tox. 1, H304 Aquatic Chronic 4, H413
(Z)-3,4,5,6,6-Pentamethylhept-3-en-2-one	CAS-No.: 81786-73-4	0.07 – 0.7	Flam. Liq. 4, H227 Skin Sens. 1, H317 Aquatic Acute 2, H401 Aquatic Chronic 2, H411
Citral	CAS-No.: 5392-40-5	0.07 – 0.7	Flam. Liq. Not classified Acute Tox. 5 (Dermal), H313 Skin Irrit. 2, H315 Skin Sens. 1, H317
Eugenol	CAS-No.: 97-53-0	0.07 – 0.7	Flam. Liq. Not classified Acute Tox. 5 (Oral), H303 Skin Irrit. 3, H316 Eye Irrit. 2A, H319 Skin Sens. 1B, H317 Aquatic Acute 2, H401
Estragole	CAS-No.: 140-67-0	0.07 – 0.7	Flam. Liq. 4, H227 Acute Tox. 4 (Oral), H302 Skin Irrit. 3, H316 Skin Sens. 1, H317 Muta. 2, H341 Carc. 2, H351

### **SECTION 4: First aid measures**

# 4.1. Description of first aid measures

First-aid measures general : IF exposed or concerned: Get medical advice/attention.

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.

First-aid measures after skin contact : Rinse skin with water/shower. Take off immediately all contaminated clothing. If skin

irritation or rash occurs: Get medical advice/attention.

First-aid measures after eye contact : Rinse eyes with water as a precaution.

First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell.

### 4.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects after skin contact : Irritation. May cause an allergic skin reaction.

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

Treat symptomatically.

### Safety Data Sheet

According to SANS 10234:2019 and SANS 11014:2010

### **SECTION 5: Firefighting measures**

### 5.1. Extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

### 5.2. Special hazards arising from the substance or mixture

Fire hazard : Flammable liquid and vapour. Hazardous decomposition products in case of fire : Toxic fumes may be released.

#### 5.3. Advice for firefighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained

breathing apparatus. Complete protective clothing.

#### SECTION 6: Accidental release measures

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

No additional information available

#### 6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area. No open flames, no sparks, and no smoking. Avoid contact with skin

and eyes. Avoid breathing fume, mist, spray, vapours.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information

refer to section 8: "Exposure controls/personal protection".

#### 6.2. Environmental precautions

Avoid release to the environment.

#### 6.3. Methods and material for containment and cleaning up

For containment : Collect spillage.

Methods for cleaning up : Take up liquid spill into absorbent material. Notify authorities if product enters sewers or

public waters.

Other information : Dispose of materials or solid residues at an authorized site.

### **SECTION 7: Handling and storage**

### 7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Keep away from heat, hot surfaces, sparks,

open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapours may accumulate in the container. Use explosion-proof equipment. Wear personal protective equipment. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid contact with

skin and eyes. Avoid breathing fume, mist, spray, vapours.

Hygiene measures : Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. Do not eat, drink or smoke when using this product. Always

wash hands after handling the product.

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

Technical measures : Ground/bond container and receiving equipment.

Storage conditions : Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up.

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### Safety Data Sheet

According to SANS 10234:2019 and SANS 11014:2010

#### **SECTION 8: Exposure controls/personal protection**

# 8.1. Control parameters

Diethyl phthalate (84-66-2)	
South Africa - Occupational Exposure Limits (Recommended Limits)	
Local name	Diethyl phthalate
OEL TWA	5 mg/m³
OEL STEL	10 mg/m³
Regulatory reference	Government Notice. R: 1179
South Africa - Occupational Exposure Limits (Airborne Pollutants)	
Local name	Diethyl phthalate
OEL TWA	5 mg/m³
OEL STEL	10 mg/m³
Regulatory reference	Government Notice No. R 904

#### 8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station. Environmental exposure controls : Avoid release to the environment.

### 8.3. Individual protection measures, such as personal protective equipment (PPE)

Hand protection : Protective gloves
Eye protection : Safety glasses

Skin and body protection : Wear suitable protective clothing

Respiratory protection : [In case of inadequate ventilation] wear respiratory protection.

#### Personal protective equipment symbol(s):







### 8.4. Exposure limit values for the other components

No additional information available

# **SECTION 9: Physical and chemical properties**

# 9.1. Information on basic physical and chemical properties

Physical state : Liquid

: No data available Appearance Colour : No data available Odour characteristic. Odour threshold No data available : No data available рΗ pH solution : No data available Relative evaporation rate (butylacetate=1) : No data available Relative evaporation rate (ether=1) : No data available Melting point : Not applicable Freezing point : No data available

Boiling point : > 35 °C Flash point : > 30 °C

Auto-ignition temperature : No data available Decomposition temperature : No data available

### Safety Data Sheet

According to SANS 10234:2019 and SANS 11014:2010

Flammability (solid, gas) : Not applicable Vapour pressure : No data available No data available Vapour pressure at 50 °C No data available Relative vapour density at 20 °C Relative density No data available Relative density of saturated gas/air mixture No data available Density No data available Relative gas density No data available Solubility No data available Partition coefficient n-octanol/water (Log Pow) : No data available Partition coefficient n-octanol/water (Log Kow) No data available : No data available Viscosity, kinematic : No data available Viscosity, dynamic : No data available Explosive properties Oxidising properties : No data available **Explosive limits** : No data available Lower explosive limit (LEL) : No data available Upper explosive limit (UEL) : No data available

#### 9.2. Other information

No additional information available

# **SECTION 10: Stability and reactivity**

### 10.1. Reactivity

Flammable liquid and vapour.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

#### 10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

#### 10.5. Incompatible materials

No additional information available

# 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

### **SECTION 11: Toxicological information**

### 11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified Acute toxicity (dermal) : Not classified Acute toxicity (inhalation) : Not classified

### Dihydromyrcenol (18479-58-8)

LD50 oral 3600 mg/kg bodyweight

### Linalool (78-70-6)

LD50 oral 2790 mg/kg bodyweight

# Safety Data Sheet

According to SANS 10234:2019 and SANS 11014:2010

HEXAMETHYLINDANOPYRAN (1222-05-5)	
LD50 oral rat	4640 mg/kg bodyweight
LD50 dermal rat	10000 mg/kg bodyweight
Linalyl acetate (115-95-7)	
LD50 oral rat	9000 mg/kg (ECHA, 2021)
LD50 dermal rabbit	5000 mg/kg (ECHA, 2021)
Benzyl acetate (140-11-4)	
LD50 oral	2490 mg/kg bodyweight
p-Mentha-1,4-diene (99-85-4)	
LD50 oral	3850 mg/kg bodyweight
Isoamyl salicylate (87-20-7)	
LD50 oral	1406 mg/kg bodyweight
Eucalyptol (470-82-6)	
LD50 oral	2480 mg/kg bodyweight
Coumarin (91-64-5)	
LD50 oral	500 mg/kg bodyweight
Acetyl cedrene (32388-55-9)	
LD50 oral	4500 mg/kg bodyweight
alpha-Pinene (80-56-8)	
LD50 oral	500 mg/kg bodyweight
Citral (5392-40-5)	
LD50 dermal	2250 mg/kg bodyweight
Eugenol (97-53-0)	
LD50 oral	2300 mg/kg bodyweight
Estragole (140-67-0)	
LD50 oral	1230 mg/kg bodyweight
	Causes skin irritation. Not classified
	May cause an allergic skin reaction.
· · · · · · · · · · · · · · · · · · ·	Not classified
• •	Suspected of causing cancer (Inhalation, oral).
	Suspected of damaging fertility or the unborn child.
	Not classified
3 1	Not classified
	Not classified
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# **SECTION 12: Ecological information**

### 12.1. Toxicity

Ecology - general : Toxic to aquatic life. Toxic to aquatic life with long lasting effects.

Hazardous to the aquatic environment, short-term

(acute)

: Toxic to aquatic life.

Hazardous to the aquatic environment, long-term

(chronic)

: Toxic to aquatic life with long lasting effects.

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HEXAMETHYLINDANOPYRAN (1222-05-5)	
LC50 - Fish [1]	950 μg/l
EC50 - Crustacea [1]	300 μg/l
Partition coefficient n-octanol/water (Log Pow) 5.3	
Linalyl acetate (115-95-7)	
EC50 - Other aquatic organisms [1]	59 mg/l (ECHA, 2021)

### 12.2. Persistence and degradability

<b>VANILLA 33.297</b>	
Persistence and degradability	No additional information available

### 12.3. Bioaccumulative potential

VANILLA 33.297	
Bioaccumulative potential	No additional information available
HEXAMETHYLINDANOPYRAN (1222-05-5)	
Partition coefficient n-octanol/water (Log Pow)	5.3

# 12.4. Mobility in soil

VANILLA 33.297	
Mobility in soil	No additional information available
HEXAMETHYLINDANOPYRAN (1222-05-5)	
Partition coefficient n-octanol/water (Log Pow)	5.3

# 12.5. Other adverse effects

Ozone : Not classified

Other adverse effects : No additional information available

# **SECTION 13: Disposal considerations**

### 13.1. Disposal methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

Additional information : Flammable vapours may accumulate in the container.

### **SECTION 14: Transport information**

In accordance with SANS / IMDG / IATA

SANS	IMDG	IATA	
14.1. UN number	14.1. UN number		
3082	3082	3082	
14.2. Proper Shipping Name			
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.	Environmentally hazardous substance, liquid, n.o.s.	
14.3. Transport hazard class(es)			
9	9	9	

### Safety Data Sheet

According to SANS 10234:2019 and SANS 11014:2010

SANS	IMDG	IATA
**************************************	***************************************	**************************************
14.4. Packing group		
III	III	III
14.5. Environmental hazards		
Dangerous for the environment : Yes	Dangerous for the environment : Yes Marine pollutant : Yes	Dangerous for the environment : Yes
No supplementary information available		

### 14.6. Special precautions for user

#### **SANS**

Special provisions (SANS) : 179, 274, 331, 335

Limited quantities (SANS) : 5 L
Limited quantities (SANS) : 5 L

Packagings, large packagings and IBCs Packing : P001, IBC03, LP01

instructions (SANS)

Packagings, large packagings and IBCs Special : PP1

packing instructions (SANS)

Portable tank and bulk containers instructions : T4

(SANS)

Portable tank and bulk container special provisions : TP1, TP29

(SANS)

#### **IMDG**

Special provisions (IMDG) : 274, 335, 969

Limited quantities (IMDG) : 5 L

Excepted quantities (IMDG) : E1

Packing instructions (IMDG) : LP01, P001

Special packing provisions (IMDG) : PP1

IBC packing instructions (IMDG) : IBC03

Tank instructions (IMDG) : T4

Tank special provisions (IMDG) : TP1, TP29

EmS-No. (Fire) : F-A - FIRE SCHEDULE Alfa - GENERAL FIRE SCHEDULE

EmS-No. (Spillage) : S-F - SPILLAGE SCHEDULE Foxtrot - WATER-SOLUBLE MARINE POLLUTANTS

Stowage category (IMDG) : A

#### **IATA**

PCA Excepted quantities (IATA) : E1
PCA Limited quantities (IATA) : Y964
PCA limited quantity max net quantity (IATA) : 30kgG
PCA packing instructions (IATA) : 964
PCA max net quantity (IATA) : 450L
CAO packing instructions (IATA) : 964
CAO max net quantity (IATA) : 450L

Special provisions (IATA) : A97, A158, A197

ERG code (IATA) : 9L

### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

# Safety Data Sheet

According to SANS 10234:2019 and SANS 11014:2010

### **SECTION 15: Regulatory information**

### 15.1. Safety, health, and environmental national regulations specific for the product

Regulatory reference

: SANS 10234:2019; SANS 11014:2010; SANS 10228:2012; SANS 10229:2010; SANS 10232(1,2,4), SANS 10231:2018; Occupational Health and Safety Act 85 of 1993; National Road Traffic Act 93 of 1996.

### **SECTION 16: Other information**

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Full text of H-statements	
H226	Flammable liquid and vapour.
H227	Combustible liquid
H302	Harmful if swallowed.
H303	May be harmful if swallowed
H304	May be fatal if swallowed and enters airways.
H311	Toxic in contact with skin.
H313	May be harmful in contact with skin
H315	Causes skin irritation.
H316	Causes mild skin irritation
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H341	Suspected of causing genetic defects.
H351	Suspected of causing cancer.
H361	Suspected of damaging fertility or the unborn child.
H400	Very toxic to aquatic life.
H401	Toxic to aquatic life
H402	Harmful to aquatic life
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
H413	May cause long lasting harmful effects to aquatic life.

Safety Data Sheet (SDS), South Africa

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.