

PANDAN FRAGRANCE

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SAFETY DATA SHEET

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

1.1. Product identifier

Product name: PANDAN FRAGRANCE

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

Product reserved for professional use in the perfumery industry

1.3. Details of the supplier of the safety data sheet

Registered company name : CRAFTIVITI SDN BHD

Address : Lot S16 & S17, 2nd Floor Centrepoint, 3 Lebuhraya Bandar Utama, Bandar Utama, 47800 Petaling Jaya, Selangor

Telephone : +603 7710 9553

enquiry@craftiviti.com

SECTION 2 : HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Eye irritation, Category 2 (Eye Irrit. 2, H319).

Skin sensitisation, Category 1 (Skin Sens. 1, H317).

Hazardous to the aquatic environment - Chronic hazard, Category 3 (Aquatic Chronic 3, H412).

This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.

2.2. Label elements

Hazard pictograms :



GHS07

Signal Word :

WARNING

Product identifiers :

EC 204-116-4	LINALYL ACETATE
EC 233-732-6	3,7-DIMETHYL-1,6-NONADIEN-3-OL
EC 228-408-6	HEXYL SALICYLATE
EC 214-881-6	ALPHA-METHYL-1,3-BENZODIOXOLE-5-PROPIONALDEHYDE
EC 250-954-9	4-TERT-BUTYLCYCLOHEXYL ACETATE
EC 245-833-2	1-(2,6,6-TRIMETHYLCYCLOHEXA-1,3-DIENYL)-2-BUTEN-1-ONE

Additional labeling :

Hazard statements :

H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H412	Harmful to aquatic life with long lasting effects.

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Precautionary statements - Prevention :

- P261Avoid breathing dust/fume/gas/mist/vapours/spray.
- P264Wash ... thoroughly after handling.
- P272Contaminated work clothing should not be allowed out of the workplace.
- P273Avoid release to the environment.
- P280Wear protective gloves/protective clothing/eye protection/face protection/hearing protection/ ...

Precautionary statements - Response :

- P302 + P352IF ON SKIN: Wash with plenty of water/...
- P305 + P351 + P338IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P321Specific treatment (see ... on this label).
- P333 + P313If skin irritation or rash occurs: Get medical advice/attention.
- P337 + P313If eye irritation persists: Get medical advice/attention.
- P362 + P364Take off contaminated clothing and wash it before reuse.

Precautionary statements - Disposal :

- P501Dispose of contents/container to ...

2.3. Other hazards

The mixture does not contain substances classified as 'Substances of Very High Concern' (SVHC) >= 0.1%

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

Composition :

Identification	Classification (EC) 1272/2008	Note	%
CAS: 60-12-8 EC: 200-456-2 PHENETHYL ALCOHOL	GHS07 Wng Acute Tox. 4, H302 Eye Irrit. 2, H319		10 <= x % < 25
CAS: 115-95-7 EC: 204-116-4 LINALYL ACETATE	GHS07 Wng Skin Irrit. 2, H315 Skin Sens. 1B, H317 Eye Irrit. 2, H319		2.5 <= x % < 10
CAS: 10339-55-6 EC: 233-732-6 REACH: 01-2119969272-32 3,7-DIMETHYL-1,6-NONADIEN-3-OL	GHS07 Wng Skin Irrit. 2, H315 Skin Sens. 1B, H317 Eye Irrit. 2, H319		2.5 <= x % < 10
CAS: 6259-76-3 EC: 228-408-6 HEXYL SALICYLATE	GHS07, GHS09 Wng Skin Sens. 1B, H317 Aquatic Acute 1, H400 M Acute = 1 Aquatic Chronic 1, H410 M Chronic = 1		0 <= x % < 2.5
CAS: 1205-17-0 EC: 214-881-6 ALPHA-METHYL-1,3-BENZODIOXOLE-5-PROPIONALDEHYDE	GHS07, GHS08, GHS09 Wng Skin Sens. 1B, H317 Repr. 2, H361 Aquatic Chronic 2, H411	[2]	0 <= x % < 2.5

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INDEX: 603-101-00-3 EC: 405-040-6 TETRAHYDRO-2-ISOBUTYL-4-METHYLPYRAN-4-OL, MIXED ISOMERS (CIS AND TRANS)	GHS07 Wng Eye Irrit. 2, H319		0 <= x % < 2.5
CAS: 55066-48-3 EC: 259-461-3 3-METHYL-5-PHENYLPENTANOL	GHS07 Wng Acute Tox. 4, H302		0 <= x % < 2.5
CAS: 65405-77-8 EC: 265-745-8 CIS-3-HEXENYL SALICYLATE	GHS09 Wng Aquatic Chronic 2, H411 Aquatic Acute 1, H400 M Acute = 1		0 <= x % < 2.5
CAS: 32210-23-4 EC: 250-954-9 4-TERT-BUTYLCYCLOHEXYL ACETATE	GHS07 Wng Skin Sens. 1B, H317		0 <= x % < 2.5
CAS: 23696-85-7 EC: 245-833-2 1-(2,6,6-TRIMETHYLCYCLOHEXA-1,3-DIENYL)-2-BUTEN-1-ONE	GHS07, GHS09 Wng Skin Irrit. 2, H315 Skin Sens. 1A, H317 Aquatic Chronic 2, H411		0 <= x % < 2.5

Specific concentration limits:

Identification	Specific concentration limits	ATE
CAS: 60-12-8 EC: 200-456-2 PHENETHYL ALCOHOL		oral: ATE = 1610 mg/kg BW
CAS: 10339-55-6 EC: 233-732-6 REACH: 01-2119969272-32 3,7-DIMETHYL-1,6-NONADIEN-3-OL		oral: ATE = 5000 mg/kg BW
CAS: 1205-17-0 EC: 214-881-6 ALPHA-METHYL-1,3-BENZODIOXOLE-5-PROPIONALDEHYDE		oral: ATE = 3562 mg/kg BW
CAS: 55066-48-3 EC: 259-461-3 3-METHYL-5-PHENYLPENTANOL		dermal: ATE = 3100 mg/kg BW oral: ATE = 1830 mg/kg BW
CAS: 65405-77-8 EC: 265-745-8 CIS-3-HEXENYL SALICYLATE		oral: ATE = 2500 mg/kg BW
CAS: 32210-23-4 EC: 250-954-9 4-TERT-BUTYLCYCLOHEXYL ACETATE		oral: ATE = 3370 mg/kg BW
CAS: 23696-85-7 EC: 245-833-2 1-(2,6,6-TRIMETHYLCYCLOHEXA-1,3-DIENYL)-2-BUTEN-1-ONE		dermal: ATE = 2900 mg/kg BW

Information on ingredients :

(Full text of H-phrases: see section 16)
[2] Carcinogenic, mutagenic or reprotoxic (CMR) substance.

SECTION 4 : FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor.
NEVER induce swallowing by an unconscious person.

4.1. description of first aid measures

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In the event of splashes or contact with eyes :

Wash thoroughly with fresh, clean water for 15 minutes holding the eyelids open.

If there is any redness, pain or visual impairment, consult an ophthalmologist.

In the event of splashes or contact with skin :

Remove contaminated clothing and wash the skin thoroughly with soap and water or a recognised cleaner.

Watch out for any remaining product between skin and clothing, watches, shoes, etc.

In the event of an allergic reaction, seek medical attention.

If the contaminated area is widespread and/or there is damage to the skin, a doctor must be consulted or the patient transferred to hospital.

In the event of swallowing :

Do not give the patient anything orally.

In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor.

Keep the person exposed at rest. Do not force vomiting.

Seek medical attention immediately, showing the label.

If swallowed accidentally, call a doctor to ascertain whether observation and hospital care will be necessary. Show the label.

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

No data available.

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

No data available.

SECTION 5 : FIREFIGHTING MEASURES

Non-flammable.

5.1. Extinguishing media**Suitable methods of extinction**

In the event of a fire, use :

- sprayed water or water mist
- foam
- multipurpose ABC powder
- BC powder
- carbon dioxide (CO₂)

Unsuitable methods of extinction

In the event of a fire, do not use :

- water jet

5.2. Special hazards arising from the substance or mixture

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.

Do not breathe in smoke.

In the event of a fire, the following may be formed :

- carbon monoxide (CO)
- carbon dioxide (CO₂)

5.3. Advice for firefighters

No data available.

SECTION 6 : ACCIDENTAL RELEASE MEASURES**6.1. Personal precautions, protective equipment and emergency procedures**

Consult the safety measures listed under headings 7 and 8.

For non first aid worker

Avoid any contact with the skin and eyes.

For first aid worker

First aid workers will be equipped with suitable personal protective equipment (See section 8).

6.2. Environmental precautions

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.

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Prevent any material from entering drains or waterways.

6.3. Methods and material for containment and cleaning up

Clean preferably with a detergent, do not use solvents.

6.4. Reference to other sections

No data available.

SECTION 7 : HANDLING AND STORAGE

Requirements relating to storage premises apply to all facilities where the mixture is handled.

Individuals with a history of skin sensitisation should not, under any circumstance, handle this mixture.

7.1. Precautions for safe handling

Always wash hands after handling.

Remove and wash contaminated clothing before re-using.

Ensure that there is adequate ventilation, especially in confined areas.

Fire prevention :

Handle in well-ventilated areas.

Prevent access by unauthorised personnel.

Recommended equipment and procedures :

For personal protection, see section 8.

Observe precautions stated on label and also industrial safety regulations.

Avoid skin and eye contact with this mixture.

Packages which have been opened must be reclosed carefully and stored in an upright position.

Prohibited equipment and procedures :

No smoking, eating or drinking in areas where the mixture is used.

7.2. Conditions for safe storage, including any incompatibilities

No data available.

Storage

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

The floor must be impermeable and form a collecting basin so that, in the event of an accidental spillage, the liquid cannot spread beyond this area.

Packaging

Always keep in packaging made of an identical material to the original.

7.3. Specific end use(s)

No data available.

SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION**8.1. Control parameters**

No data available.

8.2. Exposure controls**Personal protection measures, such as personal protective equipment**

Pictogram(s) indicating the obligation of wearing personal protective equipment (PPE) :



Use personal protective equipment that is clean and has been properly maintained.

Store personal protective equipment in a clean place, away from the work area.

Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

- Eye / face protection

Avoid contact with eyes.

Use eye protectors designed to protect against liquid splashes

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- Before handling, wear safety goggles with protective sides accordance with standard EN166.
- In the event of high danger, protect the face with a face shield.
- Prescription glasses are not considered as protection.
- Individuals wearing contact lenses should wear prescription glasses during work where they may be exposed to irritant vapours.
- Provide eyewash stations in facilities where the product is handled constantly.
- Hand protection**
- Use suitable protective gloves that are resistant to chemical agents in accordance with standard EN ISO 374-1.
- Gloves must be selected according to the application and duration of use at the workstation.
- Protective gloves need to be selected according to their suitability for the workstation in question : other chemical products that may be handled, necessary physical protections (cutting, pricking, heat protection), level of dexterity required.
- Type of gloves recommended :
- Nitrile rubber (butadiene-acrylonitrile copolymer rubber (NBR))
- Body protection**
- Avoid skin contact.
- Wear suitable protective clothing.
- Suitable type of protective clothing :
- In the event of substantial spatter, wear liquid-tight protective clothing against chemical risks (type 3) in accordance with EN14605/A1 to prevent skin contact.
- In the event of a risk of splashing, wear protective clothing against chemical risks (type 6) in accordance with EN13034/A1 to prevent skin contact.
- Work clothing worn by personnel shall be laundered regularly.
- After contact with the product, all parts of the body that have been soiled must be washed.

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state

Physical state : Clear liquid.

Colour

Color : Green to brown

Odour

Odour threshold : Green floral and vanilla odour.

Melting point

Melting point/melting range : Not specified.

Freezing point

Freezing point / Freezing range : Not stated.

Boiling point or initial boiling point and boiling range

Boiling point/boiling range : Not specified.

Flammability

Flammability (solid, gas) : Not stated.

Lower and upper explosion limit

Explosive properties, lower explosivity limit (%) : Not stated.

Explosive properties, upper explosivity limit (%) : Not stated.

Flash point

Flash Point Interval : 80°C < FP <= 93°C

Auto-ignition temperature

Self-ignition temperature : Not specified.

Decomposition temperature

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Decomposition point/decomposition range :	Not specified.
pH	
pH :	Not relevant.
pH (aqueous solution) :	Not stated.
Kinematic viscosity	
Viscosity :	Not stated.
Viscosity:	v < 7 mm2/s (40°C)
Solubility	
Water solubility :	Insoluble.
Fat solubility :	Not stated.
Partition coefficient n-octanol/water (log value)	
Partition coefficient: n-octanol/water :	Not stated.
Vapour pressure	
Vapour pressure (50°C) :	Below 110 kPa (1.10 bar).
Density and/or relative density	
Density :	0.9614-0.9774@20°C
Relative vapour density	
Vapour density :	Not stated.
9.2. Other information	
Index of refraction :	1.3950-1.4110@20°C
9.2.1. Information with regard to physical hazard classes	
No data available.	
9.2.2. Other safety characteristics	
No data available.	

SECTION 10 : STABILITY AND REACTIVITY

10.1. Reactivity	No data available.
10.2. Chemical stability	This mixture is stable under the recommended handling and storage conditions in section 7.
10.3. Possibility of hazardous reactions	When exposed to high temperatures, the mixture can release hazardous decomposition products, such as carbon monoxide and dioxide, fumes and nitrogen oxide.
10.4. Conditions to avoid	No data available.
10.5. Incompatible materials	No data available.
10.6. Hazardous decomposition products	The thermal decomposition may release/form : - carbon monoxide (CO) - carbon dioxide (CO2)

SECTION 11 : TOXICOLOGICAL INFORMATION

11.1. Information on hazard	May have reversible effects on the eyes, such as eye irritation which is totally reversible by the end of observation at 21 days. Splashes in the eyes may cause irritation and reversible damage May cause an allergic reaction by skin contact.
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11.1.1. Substances

Acute toxicity :

1-(2,6,6-TRIMETHYLCYCLOHEXA-1,3-DIENYL)-2-BUTEN-1-ONE (CAS: 23696-85-7)	
Dermal route :	LD50 = 2900 mg/kg bodyweight/day
4-TERT-BUTYLCYCLOHEXYL ACETATE (CAS: 32210-23-4)	
Oral route :	LD50 = 3370 mg/kg bodyweight/day
CIS-3-HEXENYL SALICYLATE (CAS: 65405-77-8)	
Oral route :	LD50 = 2500 mg/kg bodyweight/day
3-METHYL-5-PHENYLPENTANOL (CAS: 55066-48-3)	
Oral route :	LD50 = 1830 mg/kg bodyweight/day
Dermal route :	LD50 = 3100 mg/kg bodyweight/day
ALPHA-METHYL-1,3-BENZODIOXOLE-5-PROPIONALDEHYDE (CAS: 1205-17-0)	
Oral route :	LD50 = 3562 mg/kg bodyweight/day
3,7-DIMETHYL-1,6-NONADIEN-3-OL (CAS: 10339-55-6)	
Oral route :	LD50 = 5000 mg/kg bodyweight/day
PHENETHYL ALCOHOL (CAS: 60-12-8)	
Oral route :	LD50 = 1610 mg/kg bodyweight/day

11.1.2. Mixture

No toxicological data available for the mixture.

11.2. Information on other hazards

Monograph(s) from the IARC (International Agency for Research on Cancer) :

- CAS 64-17-5 : IARC Group 1 : The agent is carcinogenic to humans.
- CAS 97-53-0 : IARC Group 3 : The agent is not classifiable as to its carcinogenicity to humans.
- CAS 5989-27-5 : IARC Group 3 : The agent is not classifiable as to its carcinogenicity to humans.
- CAS 140-11-4 : IARC Group 3 : The agent is not classifiable as to its carcinogenicity to humans.

SECTION 12 : ECOLOGICAL INFORMATION

Harmful to aquatic life with long lasting effects.
The product must not be allowed to run into drains or waterways.

12.1. Toxicity

12.1.2. Mixtures

No aquatic toxicity data available for the mixture.

12.2. Persistence and degradability

No data available.

12.3. Bio accumulative potential

No data available.

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

No data available.

12.6. Endocrine disrupting properties

No data available.

12.7. Other adverse effects

No data available.

SECTION 13 : DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Do not pour into drains or waterways.

Waste :

Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.
Recycle or dispose of waste in compliance with current legislation, via a certified collector or company.

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Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

Soiled packaging :

Empty container completely. Keep label(s) on container.

Give to a certified disposal contractor.

SECTION 14 : TRANSPORT INFORMATION

- Exempt from transport classification and labelling.
- 14.1. UN number or ID number**
-
- 14.2. UN proper shipping name**
-
- 14.3. Transport hazard class(es)**
-
- 14.4. Packing group**
-
- 14.5. Environmental hazards**
-
- 14.6. Special precautions for user**
-
- 14.7. Maritime transport in bulk according to IMO instruments**
-

SECTION 15: Regulatory information

- 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**
- Classification and labelling information included in section 2:
- No data available
- Container information:**
- No data available.
- Explosives precursors :**
- The mixture does not contain any substance on the marketing and use of explosives precursors.
- Particular provisions :**
- No data available.
- 15.2. Chemical safety assessment**
- No data available.

SECTION 16 : OTHER INFORMATION

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

Wording of the phrases mentioned in section 3 :

H302	Harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H361	Suspected of damaging fertility or the unborn child .
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.

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Abbreviations and acronyms :

LD50 : The dose of a test substance resulting in 50% lethality in a given time period.
REACH : Registration, Evaluation, Authorization and Restriction of Chemical Substances.
ATE : Acute Toxicity Estimate
BW : Body Weight
CMR: Carcinogenic, mutagenic or reprotoxic.
STEL : Short-term exposure limit
TWA : Time Weighted Averages
TMP : French Occupational Illness table
TLV : Threshold Limit Value (exposure)
AEV : Average Exposure Value.
ADR : European agreement concerning the international carriage of dangerous goods by Road.
IMDG : International Maritime Dangerous Goods.
IATA : International Air Transport Association.
ICAO : International Civil Aviation Organisation
RID : Regulations concerning the International carriage of Dangerous goods by rail.
WGK : Wassergefährdungsklasse (Water Hazard Class).
GHS07 : Exclamation mark
PBT: Persistent, bioaccumulable and toxic.
vPvB : Very persistent, very bioaccumulable.
SVHC : Substances of very high concern.