



SAFETY DATA SHEETS

according to Regulation (EC) No 1907/2006, Article 31

Version: 1.0



Creation Date: Jun 20, 2025

Revision Date: Jun 20, 2025

1: Identification

Product identifier	
Trade name	VANILLIN EX CLOVE LEAF OIL
CAS Number	121-33-5
Other means of identification	
Product code	N310702
EC number	204-465-2
Application of the substance / the mixture: Flavoring Ingredients	
Details of the supplier of the safety data sheet	
Manufacturer/Supplier	Volans Aroma Co.,Ltd 106 Moo 7 Thatoom, Srimahaphot, Prachinburi, Thailand 25140
Further information obtainable from	INFO@VOLANSAROMA.COM
Emergency telephone number: +66 06 3990 1774	

2: HazardS identification

Classification of the substance or mixture	
	GHS 7
Eye Irrit. 2 H319Causes serious eye irritation.	
GHS label elements	
Pictograms on label shall be in the shape of a square set at a point and shall include a black hazard symbol on a white background with a red frame sufficiently wide to be clearly visible. The substance is classified and labeled according to the Globally Harmonized System (GHS).	
Hazard pictograms	
	GHS07
Signal word	Warning
Hazard statements	
H319Causes serious eye irritation.	
Precautionary statements	
P264	Wash thoroughly after handling.



P280	Wear eye protection / face protection.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313	If eye irritation persists: Get medical advice/attention.

Information pertaining to particular dangers for man and environment:**Classification system:****NFPA ratings (scale 0 - 4)**

	Health = 2 Fire = 1 Reactivity = 0
--	--

HMIS-ratings (scale 0 - 4)

HEALTH 2	Health = 2
FIRE 1	Fire = 1
REACTIVITY 0	Reactivity = 0

Other hazards May form combustible dust concentrations in air

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

Classification according to (d)(1)(ii) of § 1910.1200

The SDS issuer does not object to the classifications provided by importers or manufacturers of precursor products.

Hazards not otherwise classified

There are no adverse physical or health effects known that are not covered by the hazard classes of the Hazard Communications Standard.

3: Composition/information on ingredients**Chemical characterization: Substances****CAS No. Description**

CAS: 121-33-5 Vanillin

Identification number(s)

EC number: 204-465-2

4: First-aid measures**Description of first aid measures**

After inhalation: Supply fresh air; consult doctor in case of complaints.

After skin contact: Generally the product does not irritate the skin.

After eye contact: Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

After swallowing: If symptoms persist consult doctor.

Most important symptoms and effects, both acute and delayed

No further relevant information available.

Indication of any immediate medical attention and special treatment needed

No further relevant information available.



5: Fire-fighting measures

Extinguishing media

Suitable extinguishing agents:

CO₂, powder or alcohol resistant foam.

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Use fire extinguishing methods suitable to surrounding conditions.

Special hazards arising from the substance or mixture

No further relevant information available.

Advice for firefighters

Protective equipment: No special measures required.

Additional information

Cool endangered receptacles with water spray.

Collect contaminated fire fighting water separately. It must not enter the sewage system.

6: Accidental release measures

Personal precautions, protective equipment and emergency procedures Not required.

Environmental precautions: Do not allow to enter sewers/ surface or ground water.

Methods and material for containment and cleaning up: Pick up mechanically.

Protective Action Criteria for Chemicals

PAC-1: Substance is not listed.

PAC-2: Substance is not listed.

PAC-3: Substance is not listed.

Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

7: Handling and storage

Precautions for safe handling No special precautions are necessary if used correctly.

Information about protection against explosions and fires: No special measures required.

Conditions for safe storage, including any incompatibilities

Storage:

Requirements to be met by storerooms and receptacles:

Please refer to the product specification and/or Certificate of Analysis for product storage requirements.

Information about storage in one common storage facility: Not required.

Further information about storage conditions: Keep container tightly sealed.

Specific end use(s) No further relevant information available.



8: Exposure controls/personal protection

Control parameters

Ingredients with limit values that require monitoring at the workplace: Not required.

Additional information: The lists valid during the making were used as a basis.

Exposure controls

Appropriate engineering controls No further data; see 7.

Personal protective equipment

General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Avoid contact with the eyes.

Avoid contact with the eyes and skin.

Respiratory protection: Not required.

Hand protection

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. Selection of the glove material should be based on consideration of the penetration times, rates of diffusion and the

Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

Penetration time of glove material

The exact break through time has to be determined by the manufacturer of the protective gloves and has to be observed.

Eye/face protection

Tightly sealed goggles

9: Physical and chemical properties

Information on basic physical and chemical properties

General Information	Molecular Weight: 152.15 g/mol
Physical state	Solid
Colour:	According to product specification
Odour:	According to product specification
Odour threshold:	Not determined.
Melting point/freezing point:	81-83 °C
Boiling point or initial boiling point and boiling range	285-286 °C
Flammability	Product is not flammable.
Lower and upper explosion limit	
Lower:	Not determined.
Upper:	Not determined.
Flash point:	Not applicable.
Decomposition temperature:	Not determined.
pH:	Not applicable.
Viscosity:	



Kinematic viscosity	Not applicable.
Dynamic:	Not applicable.
Solubility	
water at 20 °C:	10 g/l
Partition coefficient n-octanol/water (log value)	Not determined.
Vapour pressure:	Not applicable.
Density and/or relative density	
Density:	Not determined.
Relative density	Not determined.
Refractive Index	
Vapour density	Not applicable.
Particle characteristics	Not determined.
Other information	
Appearance:	
Form:	Solid
Important information on protection of health and environment, and on safety.	
Ignition temperature:	Not determined.
Explosive properties:	Product does not present an explosion hazard.
Solvent content:	
VOC (EC)	0.00%
Solids content:	100.0%
Change in condition	
Evaporation rate	Not applicable.

10: Stability and reactivity

Reactivity No further relevant information available.

Chemical stability

Thermal decomposition / conditions to be avoided:

No decomposition if used according to specifications.

Possibility of hazardous reactions No dangerous reactions known.

Conditions to avoid No further relevant information available.

Incompatible materials: No further relevant information available.

Hazardous decomposition products: No dangerous decomposition products known.

11: Toxicological information

Information on toxicological effects

Acute toxicity

LD/LC50 values relevant for classification:

CAS: 121-33-5 Vanillin

Oral	LD50	3,300 mg/kg (ATE) mg/kg (rat)
Dermal	LD50	2,600 mg/kg (ATE)



<p>Primary irritant effect: on the skin:No irritant effect. on the eye:Irritating effect. Sensitization:No sensitizing effects known. Additional toxicological information: Interactive effects: No interactive effects between components are known.</p>
<p>Carcinogenic categories</p>
<p>IARC (International Agency for Research on Cancer) Substance is not listed.</p>
<p>NTP (National Toxicology Program) Substance is not listed.</p>
<p>OSHA-Ca (Occupational Safety & Health Administration) Substance is not listed.</p>
<p>Alternative sources for toxicological No non-standard sources for toxicological information where used.</p>

12: Ecological information

<p>Toxicity Aquatic toxicity: No further relevant information available. Persistence and degradability No further relevant information available. Bio-accumulative potential No further relevant information available. Mobility in soil No further relevant information available. Results of PBT and vPvB assessment PBT: Not applicable. vPvB: Not applicable. Other adverse effects Additional ecological information: General notes: Water hazard class 1 (Assessment by list): slightly hazardous for water Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.</p>

13: Disposal considerations

<p>Waste treatment methods Recommendation Must not be disposed together with household garbage. Do not allow product to reach sewage system. Uncleaned packaging: Recommendation: Disposal must be made according to official regulations.</p>
--


14: Transport information

<p>UN-Number DOT, ADN, IMDG, IATA</p>	Not Regulated
<p>UN proper shipping name DOT, ADN, IMDG, IATA</p>	Not Regulated
<p>Transport hazard class(es) DOT, ADN, IMDG, IATA Class</p>	Not Regulated



Packing group DOT, IMDG, IATA	Not Regulated
Environmental hazards: Marine pollutant:	No
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not Regulated
Transport/Additional information:	Not dangerous according to the above specifications.
Special precautions for user	Not Regulated
UN "Model Regulation":	Not Regulated

15: Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture	
Sara	
Section 355 (extremely hazardous substances): Substance is not listed.	
Section 313 (Specific toxic chemical listings): Substance is not listed.	
TSCA (Toxic Substances Control Act): ACTIVE	
Hazardous Air Pollutants: Substance is not listed.	
Proposition 65	
Chemicals known to cause cancer: Substance is not listed.	
Chemicals known to cause reproductive toxicity for females: Substance is not listed.	
Chemicals known to cause reproductive toxicity for males: Substance is not listed.	
Chemicals known to cause developmental toxicity: Substance is not listed.	
Carcinogenic categories	
EPA (Environmental Protection Agency): Substance is not listed.	
TLV (Threshold Limit Value): Substance is not listed.	
NIOSH-Ca (National Institute for Occupational Safety and Health): Substance is not listed.	
GHS label elements	
Pictograms on label shall be in the shape of a square set at a point and shall include a black hazard symbol on a white background with a red frame sufficiently wide to be clearly visible. The substance is classified and labeled according to the Globally Harmonized System (GHS).	
Hazard pictograms	
	
GHS07	
Signal word	Warning
Hazard statements	
H319 Causes serious eye irritation.	
Precautionary statements	
P264	Wash thoroughly after handling.



P280	Wear eye protection / face protection.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313	If eye irritation persists: Get medical advice/attention.
Chemical safety assessment: A Chemical Safety Assessment has not been carried out.	

16: Other information

Department issuing SDS:	Product safety department
Contact:	INFO@VOLANSAROMA.COM

Abbreviations and acronyms:

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
 IMDG: International Maritime Code for Dangerous Goods
 DOT: US Department of Transportation
 IATA: International Air Transport Association
 EINECS: European Inventory of Existing Commercial Chemical Substances
 CAS: Chemical Abstracts Service (division of the American Chemical Society)
 NFPA: National Fire Protection Association (USA)
 HMIS: Hazardous Materials Identification System (USA)
 VOC: Volatile Organic Compounds (USA, EU)
 LC50: Lethal concentration, 50 percent
 LD50: Lethal dose, 50 percent
 PBT: Persistent, Bioaccumulative and Toxic
 vPvB: very Persistent and very Bioaccumulative
 NIOSH: National Institute for Occupational Safety
 OSHA: Occupational Safety & Health
 TLV: Threshold Limit Value
 PEL: Permissible Exposure Limit
 REL: Recommended Exposure Limit
 Eye irritation 2A: Serious eye damage/eye irritation – Category 2A

Disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. We as supplier shall not be held liable for any damage resulting from handling or from contact with the above product.