



SAFETY DATA SHEET (SDS)

Prepared in accordance with Regulation (EC) No. 1907/2006, Commission Regulation (EU) 2020/878, Regulation (EC) No. 1272/2008 and the Globally Harmonized System.

SECTION 1: IDENTIFICATION OF THE SUBSTANCE AND COMPANY

1.1 Product Identifier

Product Name: Vetiveryl Acetate

Product Code/IPC Number: VT-005

Chemical Name: Vetiveryl Acetate

Botanical Source: Ex - Vetiveria zizanioides

Botanical Synonym: Vetiveria zizanioides

CAS Numbers: 84082-84-8

EC/EINECS Number: 282-031-1

FEMA/GRAS Number: 4218

Product Type: Acetylated natural vetiver derivative/natural complex substance

Physical Form: Mobile liquid

Country of Origin: Indonesia

1.2 Relevant Identified Uses

Recommended Uses:

- Professional perfumery
- Fragrance compounding
- Flavour and fragrance manufacture
- Cosmetic fragrance manufacture
- Soap and toiletries
- Candles and home-fragrance products
- Incense manufacture
- Fragrance research and development

Recommended Restriction: For professional manufacturing use only.

1.3 Supplier Details

Aromology Trading LLC

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SECTION 2: HAZARD IDENTIFICATION

2.1 Classification of the Substance or Mixture

Classification according to Regulation (EC) No. 1272/2008:

Physical Hazards: Not classified

Health Hazards:

- Skin Sensitisation – Category 1B

Environmental Hazards:

- Hazardous to the Aquatic Environment, Chronic – Category 2

2.2 Label Elements

Hazard Pictograms:

- GHS07 – Exclamation mark
- GHS09 – Environment

Signal Word: Warning

Hazard Statements

H317: May cause an allergic skin reaction.

H411: Toxic to aquatic life with long-lasting effects.

Precautionary Statements

P261: Avoid breathing dust, fumes, gas, mist, vapours or spray.

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

P273: Avoid release to the environment.

P280: Wear protective gloves, protective clothing and eye protection.

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

P333+P313: If skin irritation or rash occurs, get medical advice or attention.

P362+P364: Remove contaminated clothing and wash it before reuse.

P391: Collect spillage.

P501: Dispose of contents and container through a licensed waste-disposal company in accordance with applicable regulations.

2.3 Other Hazards

No additional hazards identified.



The substance is not considered persistent, bioaccumulative and toxic or very persistent and very bioaccumulative based on available information.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance or Natural Complex Mixture

Chemical Characterisation: Acetylated derivatives of vetiver oil

Primary CAS Number: 84082-84-8

Additional CAS Number: 117-98-6

EC Number: 282-031-1

Representative Naturally Occurring Constituents

Component	CAS Number	Concentration	GHS Classification
α -Vetivone	15764-04-2	2.00–6.00%	Skin Sens. 1, H317
β -Vetivenene	27840-40-0	0.00–5.00%	Not classified
Dehydroaromadendrene	489-39-4	0.00–3.00%	Not classified
Vetiveryl acetate isomers and other acetylated vetiver constituents	Various	Balance	See complete mixture classification

The composition may vary according to the botanical source, distillation, acetylation and purification conditions.

SECTION 4: FIRST-AID MEASURES

4.1 Description of First-Aid Measures

General Information:

Ensure medical personnel are aware of the material involved and take appropriate precautions. Show this SDS to the attending physician.

Inhalation:

If breathing is difficult, move the affected person to fresh air and keep at rest in a position comfortable for breathing. Oxygen may be necessary in cases of breathing difficulty. Contact a physician if symptoms develop or persist.

Skin Contact:

Immediately remove contaminated clothing. Wash the affected skin thoroughly with soap and water for several minutes. Obtain medical attention if irritation or sensitisation develops or persists.

Eye Contact:

Remove contact lenses if present and easy to do. Rinse the eyes promptly with plenty of clean water while lifting the eyelids. Continue rinsing for at least 15 minutes. Obtain medical attention if irritation persists.

**Ingestion:**

Immediately contact a physician or poison centre. Rinse the mouth with water if the person is conscious. Do not induce vomiting. If vomiting occurs, keep the head below hip level to reduce the risk of material entering the lungs.

4.2 Most Important Symptoms and Effects

Possible symptoms include:

- Allergic skin reaction
- Redness, itching or rash
- Temporary eye irritation
- Breathing discomfort following excessive exposure
- Pulmonary oedema or chemical pneumonitis if aspirated into the lungs

4.3 Immediate Medical Attention

No specific antidote is known. Treat symptomatically. Monitor for delayed respiratory effects if aspiration is suspected.

SECTION 5: FIREFIGHTING MEASURES**5.1 Extinguishing Media**

Suitable Extinguishing Media:

- Water spray or fog
- Carbon dioxide
- Dry chemical powder
- Alcohol-resistant foam

Unsuitable Extinguishing Media:

Do not use a solid or high-pressure water stream, as this may scatter and spread the fire.

5.2 Special Hazards

Fire may produce irritating, corrosive or toxic gases, including:

- Carbon monoxide
- Carbon dioxide
- Irritating organic vapours and smoke

5.3 Advice for Firefighters

Wear self-contained breathing apparatus and suitable protective clothing. Cool exposed containers with water spray where this can be done safely.



SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions

- Keep unnecessary personnel away.
- Eliminate sources of ignition.
- Ensure adequate ventilation.
- Avoid breathing vapour or mist.
- Avoid contact with skin and eyes.
- Wear suitable gloves, clothing and eye protection.
- Do not touch damaged containers or spilled material without protective equipment.
- Ventilate enclosed areas before entry.

6.2 Environmental Precautions

- Prevent further leakage or spillage where safe to do so.
- Avoid release into the environment.
- Prevent entry into drains, groundwater and waterways.
- Retain and dispose of contaminated wash water.
- Contact the relevant authorities if the material enters drains or the aquatic environment.

6.3 Containment and Cleaning

Large Spills:

- Eliminate all ignition sources.
- Stop the flow if this can be done safely.
- Dike or contain the spill.
- Prevent the product from entering drains.
- Absorb with dry clay, sand, diatomaceous earth, vermiculite or another inert absorbent.
- Transfer collected material into suitable labelled waste containers.

Small Spills:

- Wipe up using absorbent material.
- Clean the contaminated surface thoroughly.
- Do not return spilled material to its original container.
- Dispose of collected material as hazardous waste.

The product is immiscible with water and may spread across the water surface.

SECTION 7: HANDLING AND STORAGE

7.1 Safe Handling

- Avoid breathing concentrated vapour or mist.
- Avoid contact with eyes, skin and clothing.



- Do not handle near heat, open flames or ignition sources.
- Ground and bond equipment where appropriate.
- Take precautions against static discharge.
- Use only with adequate ventilation.
- Avoid prolonged exposure.
- Wash thoroughly after handling.
- Do not eat, drink or smoke while handling the product.

7.2 Safe Storage

- Keep containers tightly closed.
- Handle containers carefully.
- Open containers slowly to control possible pressure release.
- Store in a cool, dry and well-ventilated location.
- Protect from direct sunlight and excessive heat.
- Keep away from ignition sources.
- Keep away from strong oxidising agents.
- Prevent environmental release.

7.3 Specific End Uses

For professional flavour, fragrance and manufacturing applications only.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control Parameters

No product-specific occupational exposure limits are available.

8.2 Exposure Controls

Engineering Controls:

Provide adequate ventilation. Use explosion-resistant ventilation equipment where necessary.

Eye and Face Protection:

Wear safety glasses with side shields or chemical safety goggles.

Hand Protection:

Wear chemical-resistant protective gloves.

Skin and Body Protection:

Wear suitable protective clothing to prevent repeated or prolonged skin contact.

Respiratory Protection:

Normally not required where adequate ventilation is available. If ventilation is insufficient, use suitable respiratory protection.

**Thermal Hazards:**

Wear appropriate thermal protective clothing when necessary.

Hygiene Measures:

- Wash thoroughly after handling.
- Wash before eating, drinking or smoking.
- Routinely clean contaminated clothing.
- Clean and maintain protective equipment.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Property	Information
Physical State	Mobile liquid
Appearance	Pale-yellow to yellow liquid
Odour	Velvety vetiver, woody, earthy, fruity, sweet and dry
Additional Odour Characteristics	Fresh-woody, smoky and herbaceous
Melting/Freezing Point	Not available
Boiling Point	Not available
Flash Point	105°C/221°F
Flammability	Not determined
Explosive Limits	Not determined
Auto-Ignition Temperature	Not determined
Decomposition Temperature	Not determined
pH	Not applicable
Kinematic Viscosity	Not available
Water Solubility	Insoluble
Ethanol Solubility	Soluble
Partition Coefficient	Not available
Vapour Pressure	Not available
Relative Vapour Density	Not available
Refractive Index at 20°C	1.512–1.519
Specific Gravity at 25°C	0.940–1.015
Optical Rotation at 25°C	+10° to +45°
Acid Value	Not available

SECTION 10: STABILITY AND REACTIVITY**10.1 Reactivity**



Stable and non-reactive under normal conditions of use, storage and transport.

10.2 Chemical Stability

Stable under recommended storage conditions.

10.3 Hazardous Reactions

No dangerous reactions are known under normal conditions of use.

10.4 Conditions to Avoid

- Temperatures exceeding the flash point
- Excessive heat
- Open flames and ignition sources
- Contact with incompatible materials

10.5 Incompatible Materials

Strong oxidising agents.

10.6 Hazardous Decomposition Products

No hazardous decomposition products are expected when stored and handled as recommended. Combustion may produce carbon monoxide, carbon dioxide and irritating organic fumes.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Toxicological Effects

Acute Toxicity: No data available.

Skin Corrosion/Irritation: No complete product data available.

Serious Eye Damage/Irritation: No complete product data available.

Respiratory Sensitisation: No data available.

Skin Sensitisation: Classified as Skin Sensitisation Category 1B based on the composition; may cause an allergic skin reaction.

Germ-Cell Mutagenicity: No data indicate that the product or its components above 0.1% are mutagenic or genotoxic.

Carcinogenicity: No data available.

Reproductive Toxicity: Not expected to cause reproductive or developmental effects.

STOT – Single Exposure: No data available.

STOT – Repeated Exposure: No data available.

Aspiration Hazard: The source SDS states that aspiration following ingestion may be fatal and may cause pulmonary injury; however, aspiration toxicity is not included in the Section 2 classification.

11.2 Endocrine-Disrupting Properties



The substance has not been evaluated for endocrine-disrupting properties that could potentially affect human health.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Ecotoxicity

Toxic to aquatic life with long-lasting effects.

12.2 Persistence and Degradability

Inherently biodegradable according to supplier information.

12.3 Bioaccumulative Potential

No data available.

12.4 Mobility in Soil

No data available.

12.5 PBT and vPvB Assessment

The substance does not contain components considered persistent, bioaccumulative and toxic or very persistent and very bioaccumulative according to Annex XIII of REACH.

12.6 Endocrine-Disrupting Properties

The substance has not been evaluated for endocrine-disrupting effects on the environment.

12.7 Other Adverse Effects

No other significant adverse environmental effects are expected, including ozone depletion, photochemical ozone creation or global-warming effects.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste-Treatment Methods

- Do not discharge into drains, waterways or onto the ground.
- Do not contaminate ponds, waterways or ditches.
- Dispose of contents and containers according to applicable local, regional, national and international regulations.
- Empty containers may retain hazardous product residue.
- Follow label warnings after the container has been emptied.
- Send contaminated packaging to an approved waste-handling facility.

SECTION 14: TRANSPORT INFORMATION

ADR/RID – Road and Rail Transport

UN Number: UN 3082

Proper Shipping Name: Environmentally Hazardous Substance, Liquid, N.O.S. (Vetiveryl Acetate)

Transport Hazard Class: 9

Packing Group: III



Environmental Hazard: Yes

Special Precautions: Refer to Section 7

ICAO/IATA – Air Transport

UN Number: UN 3082

Proper Shipping Name: Environmentally Hazardous Substance, Liquid, N.O.S. (Vetiveryl Acetate)

Transport Hazard Class: 9

Packing Group: III

Environmental Hazard: No, as stated in the source SDS

Special Precautions: Refer to Section 7

IMDG – Sea Transport

UN Number: UN 3082

Proper Shipping Name: Environmentally Hazardous Substance, Liquid, N.O.S. (Vetiveryl Acetate)

Transport Hazard Class: 9

Packing Group: III

Marine Pollutant: Yes

Special Precautions: Refer to Section 7

Maritime Transport in Bulk: Not applicable.

Small-package exemptions may apply where permitted by the applicable transport regulations.

SECTION 15: REGULATORY INFORMATION

15.1 Applicable Regulations

Prepared with reference to:

- Regulation (EC) No. 1907/2006 concerning REACH
- Commission Regulation (EU) 2020/878
- Regulation (EC) No. 1272/2008 concerning classification, labelling and packaging
- Applicable ADR, IATA and IMDG transport requirements

15.2 Chemical Safety Assessment

No chemical safety assessment information is available.

SECTION 16: OTHER INFORMATION

16.1 Full Hazard Statements

H317: May cause an allergic skin reaction.

H411: Toxic to aquatic life with long-lasting effects.



Disclaimer

The information contained in this SDS is believed to be accurate and represents the best information available at the time of preparation. No warranty, express or implied, is made regarding its completeness or suitability for a particular application.

Users are responsible for determining the suitability of the material for their intended purpose and ensuring compliance with all applicable regulations.

Authorised by:

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