

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 10.11.2022

Version number 6 (replaces version 5)

Revision: 10.11.2022

*** SECTION 1: Identification of the substance/mixture and of the company/undertaking**

- **1.1 Product identifier**
- **Trade name:** ETHYL VANILLINE
- **Article number:** MP 032532
- **CAS Number:**
121-32-4
- **EC number:**
204-464-7
- **Registration number** 01-2119958961-24
- **1.2 Relevant identified uses of the substance or mixture and uses advised against .**
- **Application of the substance / the mixture**
Ingredient for fragrances.
Washing and cleaning products.
Use of polishes and wax blends
Cosmetic Industry
Use of air care products
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
ECSA Italia Srl con Unico Socio
Via Laboratori Autobianchi 1
I-20832 Desio (MB)
Tel: +39 0362 625 421
Fax: +39 0362 304 361
quality@ecsa.ch
- **Informing department:** Product safety department: quality@ecsa.ch
- **1.4 Emergency telephone number:**
Guy's & St Thomas' Poisons Unit
Medical Toxicology Information Services
London
Tel. +44 (0)20 7188 0100

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**



Eye Irrit. 2 H319 Causes serious eye irritation.

- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**
The substance is classified and labelled according to the GB CLP regulation.

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- 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.

- 2.3 Other hazards**- Results of PBT and vPvB assessment****- PBT:** Not applicable.**- vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

- 3.1 Substances**- CAS No. Designation:**121-32-4 ETHYL VANILLINE
(3-ethoxy-4-hydroxybenzaldehyde)**- Identification number(s):****- EC number:** 204-464-7**- Additional information:**INCI: ETHYL VANILLIN
Chemical formula: C₉H₁₀O₃

SECTION 4: First aid measures

- 4.1 Description of first aid measures**- General information**

Instantly remove any clothing soiled by the product.

Personal protection for the First Aider.

- After inhalation

Supply fresh air and call for doctor for safety reasons.



In case of unconsciousness bring patient into stable side position for transport.

- After skin contact

Remove contaminated clothing.



Instantly wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

- After eye contact

Remove contact lenses, if present and easy to do.

Rinse opened eye for at least 15 minutes under running water; then consult doctor.

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- After swallowing

Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Wash out mouth with water if person is conscious.

- 4.2 Most important symptoms and effects, both acute and delayed No further relevant information available.**- 4.3 Indication of any immediate medical attention and special treatment needed** Treat symptomatically.

SECTION 5: Firefighting measures

- 5.1 Extinguishing media**- Suitable extinguishing agents**

Water haze

Carbon dioxide

- For safety reasons unsuitable extinguishing agents Water with a full water jet.**- 5.2 Special hazards arising from the substance or mixture**

Formation of toxic gases is possible during heating or in case of fire.

Carbon oxides (COx)

- 5.3 Advice for firefighters**- Protective equipment:**

Do not inhale explosion gases or combustion gases.

Put on breathing apparatus.

Wear full protective suit.

- Additional information

Cool endangered containers with water spray.

Collect contaminated fire fighting water separately. It must not enter drains.

SECTION 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation

Avoid causing dust.

- 6.2 Environmental precautions:

Inform respective authorities in case product reaches water or sewage system.

Do not allow to enter drainage system, surface or ground water.

- 6.3 Methods and material for containment and cleaning up:

Vacuuming can prevent the dust formation.

Collect mechanically.

Dispose of the material collected according to regulations.

Send for recovery or disposal in closed suitable containers.

- 6.4 Reference to other sections

See Section 8 for information on personal protection equipment.

See Section 13 for information on disposal.

SECTION 7: Handling and storage

- 7.1 Precautions for safe handling

Store in cool, dry place in tightly closed containers.

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of dust.

- Information about protection against explosions and fires: Keep ignition sources away - Do not smoke.**- 7.2 Conditions for safe storage, including any incompatibilities****- Storage****- Requirements to be met by storerooms and containers:**

Suitable material for containers:

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polyethylene

Tinted glass

Unsuitable material for container: aluminium.

iron

Store only in the original container.

- Information about storage in one common storage facility:

Incompatible products:

oxidizing agents

alkaline substances

strong acids

metals

alkali metal

- Further information about storage conditions:

Protect from heat and direct sunlight.

Protect from the effects of light.

Caution when reopening containers with broken seal.

Store in cool, dry conditions in well sealed containers.

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

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

- 8.1 Control parameters**- Components with limit values that require monitoring at the workplace:** Not required.**- DNELs**

Oral	DNEL Long term exposure - systemic effects	2.5 mg/kg bw/day (general population)
Dermal	DNEL Long-Term exposure-systemic effects	2.5 mg/kg/ bw/day (general population)
		7 mg/kg/ bw/day (wrk)
Inhalative	DNEL Long-Term exposure-systemic effects	8.75 mg/m ³ (general population)
		49 mg/m ³ (wrk)
	DNEL Acute short term-systemic effects	17.5 mg/m ³ (general population)
		98 mg/m ³ (wrk)

- PNECs

PNEC	2.923 mg/kg (soil)
PNEC	0.012 mg/l (sea water)
	0.118 mg/l (freshwater)
PNEC sediment	1.5 mg/kg (sea water)
	15 mg/kg (freshwater)
PNEC	10 mg/L (STP)

- 8.2 Exposure controls

Appropriate engineering controls:

Ensure good ventilation in the workplace

Limit the formation of dust

- Individual protection measures, such as personal protective equipment**- General protective and hygienic measures**

The usual precautionary measures should be adhered to general rules for handling chemicals.

Avoid contact with the eyes and skin.

Do not inhale dust / smoke / mist.

Do not eat, drink or smoke while working.

- Breathing equipment:

Breathing protection recommended.

Filter: P1 or P2 (EN 143)

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- Hand protection

Protective gloves.

Chemical resistant gloves (EN 374)

Check protective gloves prior to each use for their proper condition.

- Material of gloves

HPPE laminated film

Recommended thickness of the material: >2.5 mm

- Penetration time of glove material

Permeation time 480 min

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

- Eye/face protection

Safety glasses

Equipment should conform to EN 166.

- Body protection:

Use protective suit.

Safety shoes.

- Environmental exposure controls Not available

* SECTION 9: Physical and chemical properties

- 9.1 Information on basic physical and chemical properties**- Appearance:****- Form:**

Crystalline

- Colour:

Whitish

- Odour:

vanilla

- Odour threshold:

Not determined.

- Melting point/freezing point:

65-78 °C

- Boiling point or initial boiling point and boiling range

285-294 °C

- Flammability

Product is not inflammable.

- Lower and upper explosion limit**- Lower:**

Not applicable

- Upper:

Not applicable

- Flash point:

93-100 °C

- Ignition temperature:

Not determined

- Decomposition temperature:

Not determined.

- pH

Not determined.

- Viscosity:**- dynamic:**

Not determined.

- Solubility**- Water at 25 °C:**

2820 mg/l

- Partition coefficient n-octanol/water (log value) at 25 °C

1.58 log Pow (OECD 107)

- Vapour pressure at 25 °C:

0.03 Pa (OECD 104)

- Density and/or relative density**- Relative density at 20.6 °C**

1.307 (OECD 109)

- Vapour density

Not determined.

- 9.2 Other information

Granulometry : 151.4 µm

- Important information on protection of health and environment, and on safety.**- Explosive properties:**

Product is not explosive.

- Change in condition**- Softening point/range****- Oxidising properties**

Not determined

- Evaporation rate

Not applicable.

- Information with regard to physical hazard classes**- Explosives**

Void

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- Flammable gases	Void
- Aerosols	Void
- Oxidising gases	Void
- Gases under pressure	Void
- Flammable liquids	Void
- Flammable solids	Void
- Self-reactive substances and mixtures	Void
- Pyrophoric liquids	Void
- Pyrophoric solids	Void
- Self-heating substances and mixtures	Void
- Substances and mixtures, which emit flammable gases in contact with water	Void
- Oxidising liquids	Void
- Oxidising solids	Void
- Organic peroxides	Void
- Corrosive to metals	Void
- Desensitised explosives	Void

SECTION 10: Stability and reactivity

- **10.1 Reactivity** See "Possibility of hazardous reactions"
- **10.2 Chemical stability** Stable under normal condition of use
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** Risk of dust explosion
- **10.4 Conditions to avoid**
Heat and ignition sources
Light
Humidity
- **10.5 Incompatible materials:**
Strong bases.
Oxidizing agents
strong acids
Metals
alkaline metals
Aluminium
- **10.6 Hazardous decomposition products:** Carbon monoxide and carbon dioxide

* SECTION 11: Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity** Based on available data, the classification criteria are not met.

- **LD/LC50 values that are relevant for classification:**

Oral	LD50	>3,160 mg/kg (rat) (OECD 401)
Dermal	LD50	>2,000 mg/kg (rat) (OECD 402)

- **Skin corrosion/irritation**
Not irritant
Test on rabbit (OECD 404)
- **Serious eye damage/irritation**
Causes serious eye irritation.
Test on rabbit (OECD 405)
- **Respiratory or skin sensitisation**
Not sensitizing for skin.
OECD Guideline 429 (Skin Sensitisation: Local Lymph Node Assay)
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.

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- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.
- **Additional toxicological information:**
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
 No mutagenic activity has been shown
 Ames-Test: negative
 Bacteria Reverse Mutation Test ; Results: negative (OECD 471)
 Micronucleous test mouse intraperitoneal: negative (OECD TG 474)
 No evidence of carcinogenic activity
 Not expected to be teratogenic.
- **11.2 Information on other hazards**
- **Endocrine disrupting properties** Substance is not listed.

* SECTION 12: Ecological information

- 12.1 Toxicity

- Aquatic toxicity:

LC50/96h	87.6 mg/l (pimephales promelas) (OECD 203)
EC50/48h	26.2 mg/l (daphnia) (OECD 202)
EC50/72h	>100 mg/l (pseudokirchneriella subcapitata) (OECD 201)

- **12.2 Persistence and degradability** Easily biodegradable
- **12.3 Bioaccumulative potential**
 Due to the distribution coefficient n-octanol/water an accumulation in organisms is not expected: Log Pow 1.58
- **12.4 Mobility in soil** Adsorption/soil; Koc 1236 20°C
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Endocrine disrupting properties** The product does not contain substances with endocrine disrupting properties.
- **12.7 Other adverse effects** No further relevant information available.
- **Additional ecological information:**
- **General notes:**
 Water hazard class 1 (German Regulation) (Assessment by list): slightly hazardous for water.
 Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.

* SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation**
 Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
 Must be specially treated under adherence to official regulations.
- **Waste disposal key number:** HP 4 Reg.1357/2014/UE
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

SECTION 14: Transport information

- **14.1 UN number or ID number**
- **ADR, ADN, IMDG, IATA**

Void

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- 14.2 UN proper shipping name - ADR, ADN, IMDG, IATA	Void
- 14.3 Transport hazard class(es) - ADR, ADN, IMDG, IATA - Class	Void
- 14.4 Packing group - ADR, IMDG, IATA	Void
- 14.5 Environmental hazards:	Not applicable.
- 14.6 Special precautions for user	Not applicable.
- 14.7 Maritime transport in bulk according to IMO instruments	Not applicable.
- UN "Model Regulation":	Void

*** SECTION 15: Regulatory information**

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
Regulation (EC) n° 1907/2006
Regulation (EC) n° 1272/2008
Regulation (EC) n° 830/2015
Regulation (EC) n° 487/2013
Regulation (EC) n° 878/2020
Authorization in accordance with UK REACH regulation (CE n. 1907/2006 and subsequent amendments and integration):
the product is not included in the list of substance of very high concern (SVHC) candidate for authorization.
- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** Substance is not listed.
- **National regulations**
- **Water hazard class:** Water hazard class 1 (Assessment by list): slightly hazardous for water.
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has been carried out.

*** SECTION 16: Other information**

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Relevant phrases** H319 Causes serious eye irritation.
- **Department issuing data specification sheet:** Environment protection department.
- **Contact:** quality@ecsa.ch
- **Abbreviations and acronyms:**
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
ICAO: International Civil Aviation Organisation
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
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
DNEL: Derived No-Effect Level (UK REACH)
PNEC: Predicted No-Effect Concentration (UK REACH)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent

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*PBT: Persistent, Bioaccumulative and Toxic**vPvB: very Persistent and very Bioaccumulative**Eye Irrit. 2: Serious eye damage/eye irritation – Category 2***- Sources***ECHA Registered Substances Database**Regulation (EC) n° 1907/2006**Regulation (EC) n° 1272/2008**Regulation (EC) n° 487/2013**Regulation (EC) n° 830/2015**Regulation (EC) n° 878/2020***- * Data compared to the previous version altered.**

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