

# Safety Data Sheet

## EuroVanillin Plus / EuroVanillin Plus F

Replaces date: 29/12/2022

Revision date: 29/10/2024

Version: 1.4.0

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

#### 1.1. Product identifier

**Trade name:** EuroVanillin Plus / EuroVanillin Plus F

**Group name:** EuroVanillin Plus

**UFI:** 5PG0-54AE-G007-Q6VJ

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

**Recommended uses:** Formulation of flavouring and fragrance compounds

See enclosed exposure scenarios for further information.

**Inadvisable uses:** None known.

#### 1.3. Details of the supplier of the safety data sheet

##### Supplier

**Company:** Borregaard AS

**Address:** P.O. Box 162

**City:** 1701 Sarpsborg

**Country:** NORWAY

**E-mail:** sds@borregaard.com

**Phone:** + 47 69 11 80 00

**Fax:** + 47 69 11 87 70

#### 1.4. Emergency Telephone Number

Members of the public: 111 (NHS 111 (Scotland: NHS 24)).

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

**CLP-classification:** Eye Irrit. 2;H319

**Most serious harmful effects:** Causes serious eye irritation.

# Safety Data Sheet

## EuroVanillin Plus / EuroVanillin Plus F

Replaces date: 29/12/2022

Revision date: 29/10/2024

Version: 1.4.0

### 2.2. Label elements

#### Pictograms



**Signal word:**

Warning

#### Contains

**Substance:**

Vanillin; Maltodextrin;

#### Hazard statements

H319

Causes serious eye irritation.

#### Precautionary statements

P280

Wear protective gloves/protective clothing/eye protection/face protection.

P305+351+338

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+313

If eye irritation persists: Get medical advice/attention.

P264

Wash hands thoroughly after handling.

### 2.3. Other hazards

May form explosible dust-air mixture if dispersed.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

Substance	CAS No./ EC No./ UK-REACH Reg. No.	Concentration	Notes	CLP-classification
Vanillin	121-33-5 204-465-2 01-2119516040-60	> 50 %		Eye Irrit. 2;H319
Maltodextrin	9050-36-6 232-940-4	< 50 %		

Please see section 16 for the full text of H- / EUH-phrases.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

**Inhalation:**

Seek fresh air, wash out mouth with water and blow nose thoroughly.

**Ingestion:**

Wash out mouth thoroughly and drink 1-2 glasses of water in small sips. Induce vomiting if victim is conscious. Call for medical attention/ambulance.

**Skin contact:**

Remove contaminated clothing. Wash the skin thoroughly with water and continue washing for a long time. Wash contaminated clothing before reuse.

**Eye contact:**

Open eye wide, remove any contact lenses and flush immediately with water (preferably using eye wash equipment). Seek medical advice immediately. Continue flushing until medical attention is obtained.

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

None known.

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

No special immediate treatment required.

# Safety Data Sheet

## EuroVanillin Plus / EuroVanillin Plus F

Replaces date: 29/12/2022

Revision date: 29/10/2024

Version: 1.4.0

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

**Suitable extinguishing media:** The product is not directly flammable. Choose extinguishing agents based on the surrounding fire.

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

The product is not directly flammable. Avoid inhalation of vapour and fumes - seek fresh air.

#### 5.3. Advice for firefighters

If there is a risk of exposure to vapour and flue gases, a self-contained breathing apparatus must be worn.

### SECTION 6: Accidental release measures

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

**For non-emergency personnel:** Provide good ventilation. Wear safety goggles if there is a risk of dust contact with eyes. Take precautionary measures against static discharges. Use spark-free tools and explosion proof equipment.

#### 6.2. Environmental precautions

Avoid unnecessary release to the environment. Do not discharge large quantities of concentrated spills and residue into drains.

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

Contain and absorb spill with sand or other absorbent material and transfer to suitable waste containers. Rinse with water. Do not sweep - use vacuum cleaner to collect spillage.

#### 6.4. Reference to other sections

See section 13 for instructions on disposal.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Work processes where generation of dust may occur must be performed under effective process ventilation (e.g. local exhaust ventilation). Running water and eye wash equipment must be available. Wash hands before breaks, before using restroom facilities, and at the end of work. Avoid formation of dust. Take precautionary measures against static discharges. Use spark-free tools and explosion proof equipment.

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

Store in a dry, cool, well-ventilated area. Do not expose to heat (e.g. sunlight).

#### 7.3. Specific end use(s)

None.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### Occupational exposure limit

Substance name	Time period	ppm	mg/m <sup>3</sup>	fiber/cm <sup>3</sup>	Remarks	Comments
Water	8h	0	10			

# Safety Data Sheet

## EuroVanillin Plus / EuroVanillin Plus F

Replaces date: 29/12/2022

Revision date: 29/10/2024

Version: 1.4.0

### PNEC

Vanillin, cas-no 121-33-5				
Exposure	Value	Assessment Factor	Extrapolation Method	Note
PNEC soil	19,56 mg/kg soil dw			
PNEC aqua (freshwater)	0,118 mg/l			
PNEC aqua (marine water)	0,0118 mg/l			
PNEC STP (wastewater-treatment facilities)	10,0 mg/l			
PNEC sediment (marine water)	5,822 mg/l			

### DNEL - general population

Vanillin, cas-no 121-33-5					
Exposure	Value	Assessment Factor	Dose Descriptor	Main Impact Parameter	Note
Oral DNEL (acute/short-term exposure - systemic effects)	10 mg/kg/day				

### 8.2. Exposure controls

<b>Exposure controls:</b>	All work must be carried out under well-ventilated conditions. Wash hands before breaks, before using restroom facilities, and at the end of work. Do not eat, drink or smoke during work.
<b>Appropriate engineering controls:</b>	Provide good ventilation. Running water and eye wash equipment must be available.
<b>Personal protective equipment, eye/face protection:</b>	Wear safety goggles.
<b>Personal protective equipment, skin protection:</b>	Wear suitable protective clothing.
<b>Personal protective equipment, hand protection:</b>	In the event of direct skin contact, wear protective gloves: Plastic or rubber gloves recommended.
<b>Personal protective equipment, respiratory protection:</b>	Wear respiratory protective equipment with P2 filter when performing dusty work.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Parameter	Value/unit	
State	Crystals or powder.	
Colour	White. Light yellow.	
Odour	Characteristic odour.	
Solubility	No data	

Parameter	Value/unit	Remarks
Odour threshold	No data	
Melting point	80 - 83.5 °C	Vanillin
Freezing point	No data	
Initial boiling point and boiling range	154 - 285 °C	
Flammability (solid, gas)		Not flammable, but combustible.
Flammability limits		Not flammable.
Explosion limits	No data	
Flash Point	°C	Not flammable.

# Safety Data Sheet

## EuroVanillin Plus / EuroVanillin Plus F

Replaces date: 29/12/2022

Revision date: 29/10/2024

Version: 1.4.0

Auto-ignition temperature	> 400 °C	
Decomposition temperature:	No data	
pH (solution for use)	~ 4.50	
pH (concentrate)	No data	
Kinematic viscosity	No data	
Viscosity	No data	
Partition coefficient n-octanol/water	1.17 - 1.33	Vanillin
Vapour pressure	No data	
Density	No data	
Relative density	No data	
Relative vapour density	No data	
Relative density (sat. air)	No data	
Particle characteristics	0.09 - 0.15	Median equivalent diameter volume-based in mm

### 9.2. Other information

Parameter	Value/unit	Remarks
Minimum Ex.concentration	0,01 g/m3	

#### Other Information:

May form explosible dust-air mixture if dispersed.

MIE: 10-30 mJ

MITdc: 400 °C

Kst: 83 bar\*m/s

Pmax: 6.0

ST class: 1

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No known data.

### 10.2. Chemical stability

The product is stable when used in accordance with the supplier's directions.

### 10.3. Possibility of hazardous reactions

None known.

### 10.4. Conditions to avoid

None known.

### 10.5. Incompatible materials

Strong acids/ Strong alkalis/ Oxidisers.

### 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 - oral

#### Vanillin, cas-no 121-33-5

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LD50		> 3925 mg/kg		OECD 423	REACH dossier

# Safety Data Sheet

## EuroVanillin Plus / EuroVanillin Plus F

Replaces date: 29/12/2022

Revision date: 29/10/2024

Version: 1.4.0

Based on existing data, the classification criteria are deemed not to have been met.

### Acute toxicity - dermal

#### Vanillin, cas-no 121-33-5

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LD50		> 2000 mg/kg		OECD 402	REACH dossier

Based on existing data, the classification criteria are deemed not to have been met.

### Acute toxicity - inhalation:

Based on existing data, the classification criteria are deemed not to have been met.

### Skin corrosion/irritation

#### Vanillin, cas-no 121-33-5

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat				Non-irritating	EU Method B.3	REACH dossier

Based on existing data, the classification criteria are deemed not to have been met.

### Serious eye damage/eye irritation

#### Vanillin, cas-no 121-33-5

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rabbit				Irritating	OECD 405	REACH dossier

### Respiratory sensitisation or skin sensitisation

#### Vanillin, cas-no 121-33-5

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Guinea pig				Non-sensitising	EU Method B.6 (Skin Sensitisation)	REACH dossier

Based on existing data, the classification criteria are deemed not to have been met.

### Germ cell mutagenicity

#### Vanillin, cas-no 121-33-5

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
				No mutagenic effects observed.	Ames test	REACH dossier

Based on existing data, the classification criteria are deemed not to have been met.

### Carcinogenic properties:

Based on existing data, the classification criteria are deemed not to have been met.

### Reproductive toxicity:

Based on existing data, the classification criteria are deemed not to have been met.

### Single STOT exposure:

Based on existing data, the classification criteria are deemed not to have been met.

### Repeated STOT exposure:

Based on existing data, the classification criteria are deemed not to have been met.

### Aspiration hazard:

Based on existing data, the classification criteria are deemed not to have been met.

## 11.2. Information on other hazards

### Endocrine disrupting properties:

None known.

### Other toxicological effects:

Acceptable daily intake (ADI) for human is intended for 0-10 mg/kg/day (The Joint FAO/WHO Expert Committee on Food Additives. )

# Safety Data Sheet

## EuroVanillin Plus / EuroVanillin Plus F

Replaces date: 29/12/2022

Revision date: 29/10/2024

Version: 1.4.0

### SECTION 12: Ecological information

#### 12.1. Toxicity

##### Vanillin, cas-no 121-33-5

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
Fish	Pimephales promelas		96hLC50	~ 83.7 mg/l		OECD 203	REACH dossier
Crustacea	Daphnia magna		48hEC50	~ 36.79 mg/l		OECD 202	REACH dossier
Algae	Pseudokirchneriella subcapitata		72hEC50	~ 120 mg/l		OECD 201	REACH dossier

No effect on the environment.

#### 12.2. Persistence and degradability

##### Vanillin, cas-no 121-33-5

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
					Readily biodegradable.	ISO 5815 (Water quality - Determination of BOD5)	

Readily biodegradable.

#### 12.3. Bioaccumulative potential

No bioaccumulation expected.

#### 12.4. Mobility in soil

Poorly soluble in the following: Water.

#### 12.5. Results of PBT and vPvB assessment

The product does not contain any PBT or vPvB substances.

#### 12.6. Endocrine disrupting properties

None known.

#### 12.7. Other adverse effects

None known.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Avoid unnecessary release to the environment. Do not discharge large quantities of concentrated spills and residue into drains. Contact the local authorities.

### SECTION 14: Transport information

14.1. UN number or ID number: Not applicable.

14.2. UN proper shipping name: Not applicable.

14.3. Transport hazard class(es): Not applicable.

14.4. Packing group: Not applicable.

14.5. Environmental hazards: Not applicable.

#### 14.6. Special precautions for user

# Safety Data Sheet

## EuroVanillin Plus / EuroVanillin Plus F

Replaces date: 29/12/2022

Revision date: 29/10/2024

Version: 1.4.0

None.

### 14.7. Maritime transport in bulk according to IMO instruments

Not applicable.

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

**Special Provisions:** ADR/RID, Regulation (EU) 2020/878, REACH (EC 1907/2006), GHS/CLP (EC NO1272/2008), GHS USA May, 2024.

### 15.2. Chemical Safety Assessment

UK-REACH Reg. No.	Substance name
01-2119516040-60	Vanillin

**Other Information:** Components are listed in EINECS (Europe), TSCA (USA), DSL (Canada), AICS (Australia), MITI (Japan) og KECL (South Korea) European Council: List 1, Nr. 107 .France: permission to be used in food where artificial aromas can be used..FDA: GRAS Status: CFR 21 - Part. 182.60 page 413 (1995).FEMA: GRAS Status: Nr. FEMA 3107.

## SECTION 16: Other information

### Version history and indication of changes

Version	Revision date	Responsible	Changes
1.4.0	29/10/2024	Borregaard AS	Section 9
1.3.1	29/12/2022	Borregaard AS	General review and update
1.3.0	29/12/2022	Borregaard AS	Section 1, 9, 11, 12

**Vendor notes:** Information given in this safety data sheet is in accordance with our information, and to the best of our knowledge, was correct on the last revision date. Information given is intended to present guidelines for safe handling, use, processing, storage, transport, disposal and discharge; it is not intended to be a guarantee or quality specification. It is the responsibility of the recipient of this safety data sheet to ensure that information given here is read and understood by all who use, handle, dispose of or in any way come in contact with the product.

**Classification method:** ADR/RID, Regulation (EU) 2020/878, REACH (EC 1907/2006), GHS/CLP (EC NO1272/2008), GHS USA May, 2024.

### Hazard statements

H319 Causes serious eye irritation.

**Country:** GB