

Safety Data Sheet

EuroVanillin GRAN 4

Revision date: 29/10/2024

Version: 1.1.1

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

1.1. Product identifier

Trade name: EuroVanillin GRAN 4

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

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: The product shall not be classified as hazardous according to the classification and labeling rules for substance and mixtures.

2.2. Label elements

The product shall not be classified as hazardous according to the classification and labeling rules for substance and mixtures.

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	< 10 %		Eye Irrit. 2;H319

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

Ingredient comments:

The product shall not be classified as hazardous according to the classification and labelling rules for substances and mixtures.

SECTION 4: First aid measures

4.1. Description of first aid measures

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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. Seek medical advice in case of discomfort.
Skin contact:	Remove contaminated clothing. Wash skin with soap and water.
Eye contact:	Flush with water (preferably using eye wash equipment) until irritation subsides. Seek medical advice if symptoms persist.

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.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: Extinguish with powder, foam, carbon dioxide or water mist.

Unsuitable extinguishing media: Do not use water stream, as it may spread the fire.

5.2. Special hazards arising from the substance or mixture

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.

6.2. Environmental precautions

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

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

Avoid formation of dust. 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. 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). Keep in tightly closed original packaging.

7.3. Specific end use(s)

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None.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limit

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

Measuring methods: Compliance with the stated occupational exposure limits may be checked by occupational hygiene measurements.

8.2. Exposure controls

Exposure controls: 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.

Appropriate engineering controls: Provide good ventilation. Running water and eye wash equipment must be available.

Personal protective equipment, eye/face protection: Wear safety goggles if there is a risk of dust contact with eyes.

Personal protective equipment, skin protection: Wear suitable protective clothing.

Personal protective equipment, respiratory protection: 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 brown
Odour	Characteristic
Solubility	No data

Parameter	Value/unit	Remarks
Odour threshold	No data	
Melting point	No data	
Freezing point	No data	
Initial boiling point and boiling range	No data	
Flammability (solid, gas)	No data	
Flammability limits	No data	
Explosion limits	No data	
Flash Point	No data	
Auto-ignition temperature	No data	
Decomposition temperature:	No data	
pH (solution for use)		
pH (concentrate)	No data	
Kinematic viscosity	No data	
Viscosity	No data	
Partition coefficient n-octanol/water	No data	
Vapour pressure	No data	

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Density	No data	
Relative density	No data	
Relative vapour density	No data	
Relative density (sat. air)	No data	
Particle characteristics	No data	

9.2. Other information

Parameter	Value/unit	Remarks
Minimum Ex.concentration		

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

None known.

10.6. Hazardous decomposition products

None known.

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

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

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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

May cause eye irritation.

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.

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.

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12.2. Persistence and degradability

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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

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.

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15.2. Chemical Safety Assessment

SECTION 16: Other information

Version history and indication of changes

Version	Revision date	Responsible	Changes
1.1.1	29/10/2024	Borregaard AS	General review and update
1.1.0	29/12/2022	Borregaard AS	Section 2, 7, 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