

# SAFETY DATA SHEET

## MATERIAL SAFETY DATA SHEET

Last changed: 29/09/2009

Internal No: 106935

Replaces date: 02/07/2009

EuroVanillin Expert Dairy

### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

**TRADE NAME** EuroVanillin Expert Dairy

**National manufacturer/importer**

Enterprise Borregaard Industries Limited  
Address P.O. Box 162  
Postal code 1701 Sarpsborg  
Country Norway  
Telephone + 47 69 11 80 00  
Fax + 47 69 11 87 70

Name	E-mail	Tel. (work)	Country
Nina Faye Haraldstad	MSDS@borregaard.com		

Emergency Phone	Type of assistance	Opening Hours
+47 69 11 88 88	Borregaard emergency no.	24 h
+47 22 59 13 00	National dept.for poisons information (Norway)	24 h

### 2. HAZARDS IDENTIFICATION

**GENERAL**

Not classified.

**HEALTH**

Protracted or repeated exposure may irritate the eyes, skin and respiratory system. Repeated or prolonged skin contact may cause skin irritation and/or dermatitis and sensitization in susceptible persons.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

No	Ingredient name	Reg.No	EC No.	CAS No.	Conc. (wt%)	Classification
1	Maltodextrin		232-940-4	9050-36-6	-	No classification required
2	Etylvanillin		204-464-7	121-32-4	-	No classification required
3	Vanillin		204-465-2	121-33-5	-	No classification required
4	Aroma				-	No classification required

Explanation of symbols: T+=highly toxic, T=toxic, C=corrosive, Xn=harmful, Xi=irritant E=Explosive, O=Oxidising, F+=Extremely flammable, F=Highly flammable, N=Dangerous for the environment, Cancer=Carcinogenic, Mut=Mutagenic, Rep=Toxic for reproduction, Conc.=Concentration

**INGREDIENT COMMENTS**

No hazardous product as specified in Direktive 67/548.

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### 4. FIRST AID MEASURES

#### GENERAL

Fresh air if there are symptoms of injury. Get medical attention if any discomfort continues.

#### SKIN CONTACT

Wash skin with soap and water. Remove contaminated clothing. Contact physician if irritation persists.

#### EYE CONTACT

Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Contact physician if irritation persists.

#### INGESTION

Rinse the mouth with water. Contact physician if larger quantity has been consumed. In the event of stomach pains - medical treatment

#### MEDICAL INFORMATION

Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

#### EXTINGUISHING MEDIA

Use extinguishing media appropriate for surrounding fire.

#### FIRE AND EXPLOSION HAZARDS

Dust may form explosive mixture with air. Not flammable, but combustible.

#### PROTECTIVE EQUIPMENT FOR FIRE FIGHTERS

General: Evacuate all personnel, use protective equipment for fire fighting. Use a portable breathing apparatus when the product is involved in a fire.

#### OTHER INFORMATION

Carbon oxides and organic products of decomposition are emitted in a fire. Move container from fire area if it can be done without risk. Avoid inhalation.

### 6. ACCIDENTAL RELEASE MEASURES

#### PERSONAL PRECAUTIONS

Provide good ventilation. Avoid generation and spreading of dust. Note the risk of dust explosion. Avoid inhalation.

#### SAFETY ACTIONS TO PROTECT EXTERNAL ENVIRONMENT

Prevent discharge of larger quantity to drain.

#### METHODS FOR CLEANING UP

Collect with vacuum cleaner or carefully sweep together and collect. Avoid generation and spreading of dust. Place in a suitable container for refuse treatment according to applicable regulations. Flush area with water.

### 7. HANDLING AND STORAGE

#### HANDLING PRECAUTIONS

Note the risk of dust explosion. Avoid dust build-up near ignition sources

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### HANDLING ADVICE

Do not breathe dust. Wear necessary protective equipment.

### STORAGE

Keep in cool, dry, ventilated storage and closed containers. Ground container and transfer equipment to eliminate static electric sparks.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### EXPOSURE CONTROL

Avoid handling which leads to dust formation. Avoid inhalation. Mechanical ventilation or local exhaust ventilation may be required. Facilities for eye rinsing must be available.

### RESPIRATORY PROTECTION

If necessary, respirator with P2 or P3 particle filter.

### EYE PROTECTION

Use approved safety goggles or face shield.

### HAND PROTECTION

Protective gloves (nitrile rubber, PVC).

### PROTECTIVE CLOTHING

Wear appropriate clothing to prevent repeated or prolonged skin contact.

### OEL value

Ingredient name	Cas nr.	Interval	ppm	mg/m3	Year	Notification
Nuisance dust, total		8 h		10,0	2005	
Respirable dust		8 h		5,0	2005	

R=Toxic for reproduction, H=Skin, K=Carcinogenic, A=Sensitising, T=Upper limit, M=Mutagenic

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical State** Crystals or powder.  
**Colour** White. Yellowish white.  
**Odour** Vanilla. Characteristic odour.

## 10. STABILITY AND REACTIVITY

### STABILITY

Stable under recommended storage and handling conditions.

### MATERIALS TO AVOID

Oxidizing substance. Risk of exothermic reaction. Avoid contact with oxidizing substances, strong acids and strong bases.

### HAZARDOUS DECOMPOSITION PRODUCTS

Dangerous products of decomposition: carbon monoxide. CO2

### OTHER INFORMATION

Recommended shelf life 36 months

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### 11. TOXICOLOGICAL INFORMATION

#### INHALATION

May be irritating.

#### SKIN CONTACT

Non-irritant. May cause allergic eczema in already sensitised persons.

#### EYE CONTACT

Non-irritant. Low acute toxicity.

#### SENSITIZATION

May cause allergic eczema in already sensitised persons.

### 12. ECOLOGICAL INFORMATION

#### ECOTOXICITY

Not tested for toxicity in aquatic environment. Based on analogy for vanillin, does this product make small risk to the environment.

#### MOBILITY

No information available

#### DEGRADABILITY

Expected to be readily biodegradable.

### 13. DISPOSAL CONSIDERATIONS

#### GENERAL REGULATIONS

Where possible, recycling is preferred to disposal or incineration. Refuse can be incinerated in an incinerator equipped with an afterburner and washer. Packaging must be cleaned thoroughly, do not remove labelling or warning labels. Local and EU regulations for refuse treatment must be followed.

### 14. TRANSPORT INFORMATION

**Classified as Dangerous Goods:**  Yes  No  Not assessed

#### OTHER INFORMATION

Not classified as dangerous goods.

### 15. REGULATORY INFORMATION

**EC-Label**  No  Yes  Not assessed

#### S-PHRASES

S22 Do not breathe dust.

#### OTHER LABELLING PHRASES

Not classified.

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### REFERENCES

Ethylvanillin. Vanillin.

MSDS Vanillin, Rhodia Inc. Organic Intermediates (04/04/01). Ames test: Huntingdon Research Centre Ltd. Report no. BOD 15A/861683 (31.12.86). Acute oral toxicity: Huntingdon Research Centre Ltd. Report no 861395D/BOD 14/AC. Sax's Dangerous Properties of Industrial Materials, Sax's Dangerous Properties of Industrial Materials, Verscheuren's handbook of Environmental Data on Organic Chemicals. Ref.: Hawley's Condensed Chemical Dictionary,

### LEGISLATION

Guiding values for pollution in the working atmosphere (ADN) (Norway-2005).

Regulation to dangerous waste from ministry of Norway (2005).

Norwegian adaption to Annex 1 of direktiv 67/548/EEC.

ADR/RID (2007).

REACH (2008)

### OTHER INFORMATION

Vanillin. Ethylvanillin. -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.

### 16. OTHER INFORMATION



### 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.

ISSUED:

02/07/2009

### REVISION HISTORY

Version	Rev. date	Responsible	Changes
1.0.0	02/07/2009	Borregaard Ind Ltd	New SDS (NIHA)
2.0.0	29/09/2009	Borregaard Ind Ltd	Minor Changes in item 3 NIHA