

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

Printing date 22.03.2021

Version 72

Revision: 22.03.2021

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

◊ **1.1 Product identifier**

◊ Trade name: **Biscuit-Flavour**

◊ Article number: P0613964

◊ Registration number -

◊ **1.2 Relevant identified uses of the substance or mixture and uses advised against** No further relevant information available.

◊ Application of the substance / the mixture Flavour/Fragrance

◊ **1.3 Details of the supplier of the safety data sheet**

◊ Manufacturer/Supplier:

Frey & Lau GmbH

Immenhacken 12, D-24558 Henstedt-Ulzburg

Tel:++49-4193-9953 Fax: +49-4193-9955-80

◊ Further information obtainable from:

Sachkundige Person Frey + Lau

info@freylau.com

◊ **1.4 Emergency telephone number:** ++49-40-54.77.99.56 WAKO

**. SECTION 2: Hazards identification**

◊ **2.1 Classification of the substance or mixture**

◊ Classification according to Regulation (EC) No 1272/2008 The product is not classified, according to the CLP regulation.

◊ **2.2 Label elements**

◊ Labelling according to Regulation (EC) No 1272/2008 Void

◊ Hazard pictograms Void

◊ Signal word Void

◊ Hazard statements Void

◊ Additional information:

EUH208 Contains 4-Acetoxy-2,5-dimethyl-3(2H)furanone, 2,3-Butanedione. May produce an allergic reaction.

EUH210 Safety data sheet available on request.

◊ **2.3 Other hazards**

◊ Results of PBT and vPvB assessment

◊ PBT: Not applicable.

◊ vPvB: Not applicable.

**. SECTION 3: Composition/information on ingredients**

◊ **3.2 Chemical characterisation: Mixtures**

◊ Description: Mixture of substances listed below with nonhazardous additions.

◊ Dangerous components:

CAS: 121-33-5 4-Hydroxy-3-Methoxybenzaldehyde

>5-<10%

EINECS: 204-465-2 Eye Irrit. 2, H319

◊ Additional information: For the wording of the listed hazard phrases refer to section 16.

**. SECTION 4: First aid measures**

◊ **4.1 Description of first aid measures**

◊ After inhalation: Supply fresh air; consult doctor in case of complaints.

◊ After skin contact: Generally the product does not irritate the skin.

◊ After eye contact: Rinse opened eye for several minutes under running water.

◊ After swallowing: If symptoms persist consult doctor.

◊ **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** No further relevant information available.

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**. SECTION 5: Firefighting measures**

- ◊ **5.1 Extinguishing media**
- ◊ Suitable extinguishing agents: CO<sub>2</sub>, sand, extinguishing powder. Do not use water.
- ◊ For safety reasons unsuitable extinguishing agents: Water with full jet
- ◊ **5.2 Special hazards arising from the substance or mixture** No further relevant information available.
- ◊ **5.3 Advice for firefighters**
- ◊ Protective equipment: No special measures required.

**. SECTION 6: Accidental release measures**

- ◊ **6.1 Personal precautions, protective equipment and emergency procedures** Not required.
- ◊ **6.2 Environmental precautions:**  
Dilute with plenty of water.  
Do not allow to enter sewers/ surface or ground water.
- ◊ **6.3 Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- ◊ **6.4 Reference to other sections**  
No dangerous substances are released.  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

**. SECTION 7: Handling and storage**

- ◊ **7.1 Precautions for safe handling**  
Ensure good ventilation/exhaustion at the workplace.  
No special precautions are necessary if used correctly.
- ◊ Information about fire - and explosion protection: No special measures required.
- ◊ **7.2 Conditions for safe storage, including any incompatibilities**
- ◊ Storage:  
◊ Requirements to be met by storerooms and receptacles: No special requirements.
- ◊ Information about storage in one common storage facility: Not required.
- ◊ Further information about storage conditions: None.
- ◊ Storage class: 10
- ◊ **7.3 Specific end use(s)** No further relevant information available.

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

- ◊ **8.1 Control parameters**
- ◊ Additional information about design of technical facilities: No further data; see item 7.
- ◊ Ingredients with limit values that require monitoring at the workplace:  
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- ◊ Additional information: The lists valid during the making were used as basis.
- ◊ **8.2 Exposure controls**
- ◊ Personal protective equipment:
- ◊ General protective and hygienic measures: Wash hands before breaks and at the end of work.
- ◊ Respiratory protection: Use suitable respiratory protective device in case of insufficient ventilation.
- ◊ Protection of hands:  
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.  
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
- ◊ Material of gloves The multichemical-resistant glove Barrier 02-100 is recommended.
- ◊ Penetration time of glove material  
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

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◊ Eye protection: Goggles recommended during refilling

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**. SECTION 9: Physical and chemical properties**

◊ **9.1 Information on basic physical and chemical properties**

◊ **General Information**

◊ **Appearance:**

Form: Fluid  
Colour: Light yellow to light brown

◊ **Odour:** Characteristic

◊ **Odour threshold:** Not determined.

◊ **pH-value:** Not determined.

◊ **Melting point/freezing point:** Undetermined.

◊ **Flash point:** 90 °C

◊ **Flammability (solid, gas):** Not applicable.

◊ **Decomposition temperature:** Not determined.

◊ **Auto-ignition temperature:** Not determined.

◊ **Explosive properties:** Not determined.

◊ **Explosion limits:**

Lower: Not determined.  
Upper: Not determined.

◊ **Density at 20 °C:** 1,051 g/cm<sup>3</sup>

◊ **Relative density:** Not determined.

◊ **Vapour density:** Not determined.

◊ **Evaporation rate:** Not determined.

◊ **Solubility in / Miscibility with water:**

Soluble.

◊ **Partition coefficient: n-octanol/water:** Not determined.

◊ **Solvent separation test:**

VOC (EC) 91,49 %

◊ **9.2 Other information** No further relevant information available.

**. SECTION 10: Stability and reactivity**

◊ **10.1 Reactivity** No further relevant information available.

◊ **10.2 Chemical stability**

◊ **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.

◊ **10.3 Possibility of hazardous reactions** No dangerous reactions known.

◊ **10.4 Conditions to avoid** No further relevant information available.

◊ **10.5 Incompatible materials:** No further relevant information available.

◊ **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

**. SECTION 11: Toxicological information**

◊ **11.1 Information on toxicological effects**

◊ **Acute toxicity** Based on available data, the classification criteria are not met.

◊ **LD/LC50 values relevant for classification:**

**ATE (Acute Toxicity Estimates)**

Inhalative LC50 3.000 mg/l

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- ◊ *Primary irritant effect:*
- ◊ *Skin corrosion/irritation Based on available data, the classification criteria are not met.*
- ◊ *Serious eye damage/irritation Based on available data, the classification criteria are not met.*
- ◊ *Respiratory or skin sensitisation Based on available data, the classification criteria are not met.*
- ◊ *Additional toxicological information:*
- ◊ *CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)*
- ◊ *Germ cell mutagenicity Based on available data, the classification criteria are not met.*
- ◊ *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.*

**. SECTION 12: Ecological information**

- ◊ **12.1 Toxicity**
- ◊ *Aquatic toxicity: No further relevant information available.*
- ◊ **12.2 Persistence and degradability** *No further relevant information available.*
- ◊ **12.3 Bioaccumulative potential** *No further relevant information available.*
- ◊ **12.4 Mobility in soil** *No further relevant information available.*
- ◊ *Ecotoxicological effects:*
- ◊ *Remark: Harmless to fish up to the tested concentration*
- ◊ *Additional ecological information:*
- ◊ *General notes:*
- ◊ *Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water*
- ◊ *Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.*
- ◊ **12.5 Results of PBT and vPvB assessment**
- ◊ *PBT: Not applicable.*
- ◊ *vPvB: Not applicable.*
- ◊ **12.6 Other adverse effects** *No further relevant information available.*

**. SECTION 13: Disposal considerations**

- ◊ **13.1 Waste treatment methods**
- ◊ *Recommendation Must not be disposed together with household garbage. Do not allow product to reach sewage system.*
- ◊ *Uncleaned packaging:*
- ◊ *Recommendation: Disposal must be made according to official regulations.*
- ◊ *Recommended cleansing agents: Water, if necessary together with cleansing agents.*

**. SECTION 14: Transport information**

- ◊ **14.1 UN-Number**
- ◊ *ADR, ADN, IMDG, IATA* Void
- ◊ **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:**
- ◊ *Marine pollutant:* No
- ◊ **14.6 Special precautions for user** *Not applicable.*

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- ◊ **14.7 Transport in bulk according to Annex II of Marpol and the IBC Code** Not applicable.
- ◊ UN "Model Regulation": Void

**. SECTION 15: Regulatory information**

- ◊ **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- ◊ Labelling according to Regulation (EC) No 1272/2008 Void
- ◊ Hazard pictograms Void
- ◊ Signal word Void
- ◊ Hazard statements Void
- ◊ Directive 2012/18/EU
- ◊ Named dangerous substances - ANNEX I None of the ingredients is listed.
- ◊ DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II  
None of the ingredients is listed.
- ◊ **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

**. SECTION 16: Other information**

*This information is based on our present knowledge. However, this 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 SDS: Regulatory Affairs**
- ◊ **Contact: Dr. Maja Zippel**
- ◊ **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  
ELINCS: European List of Notified Chemical Substances  
CAS: Chemical Abstracts Service (division of the American Chemical Society)  
VOC: Volatile Organic Compounds (USA, EU)  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
PBT: Persistent, Bioaccumulative and Toxic  
vPvB: very Persistent and very Bioaccumulative  
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2