Safety Data Sheet
according to WHS Regulations

Printing date 12.02.2024 *Version number 1* *Revision: 12.02.2024*

Hazardous according to criteria of Australian Safety and Compensation Council.

1 Identification

· ***Product identifier***

· ***Trade name:*** ***BISCUIT OS NATURAL FLAVOR***

· ***Article number:*** ATB9004
· ***Relevant identified uses of the substance or mixture and uses advised against***
· ***Sector of Use*** SU4 Manufacture of food products
· ***Application of the substance / the mixture*** Flavouring agents

· ***Details of the supplier of the safety data sheet***
· ***Manufacturer/Supplier:***
Metarom Australia
117 Stephen Rd
Banksmeadow NSW 2019
Australia
+61 2 9317 5002

· ***Further information obtainable from:*** info@metarom.com.au
· ***Emergency telephone number:***
Poison Information Centre NSW Australia 13 11 26
National Poisons Centre New Zealand 0800 764 766

2 Hazard(s) Identification

· ***Classification of the substance or mixture***

Skin Sens. 1 H317 May cause an allergic skin reaction.

· ***Label elements***
· ***GHS label elements*** The product is classified and labelled according to the Globally Harmonised System (GHS).
· ***Hazard pictograms***

GHS07

· ***Signal word*** Warning

· ***Hazard-determining components of labelling:***
vanillin (≥2.5-<10 %)
· ***Hazard statements***
H317 May cause an allergic skin reaction.
· ***Precautionary statements***
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P280 Wear protective gloves.
P362+P364 Take off contaminated clothing and wash it before reuse.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P321 Specific treatment (see on this label).
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
· ***Other hazards***
· ***Results of PBT and vPvB assessment***
· ***PBT:*** Not applicable.
· ***vPvB:*** Not applicable.

3 Composition and Information on Ingredients

· ***Chemical characterisation: Mixtures***
· ***Description:*** Mixture of substances listed below with nonhazardous additions.

· ***Dangerous components:***

121-33-5	vanillin Acute Tox. 4, H302; Serious eye damage/irritation – Category 2A, H319; Skin Sens. 1, H317	≥2.5-<10%
118-71-8	maltol Acute Tox. 4, H302	≤2.5%
119-84-6	Dihydrocoumarin Acute Tox. 4, H302; Skin Sens. 1, H317	≥0.1-<1%
3658-77-3	4-Hydroxy-2,5-dimethyl-3(2H)-furanone Acute Tox. 4, H302; Skin Sens. 1, H317	≥0.1-<1%

(Contd. on page 2)

Safety Data Sheet
according to WHS Regulations

Printing date 12.02.2024 *Version number 1* *Revision: 12.02.2024*

Trade name: BISCUIT OS NATURAL FLAVOR

(Contd. of page 1)

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

4 First Aid Measures

· ***General information:*** Immediately remove any clothing soiled by the product.
· ***After inhalation:***
Supply fresh air and to be sure call for a doctor.
In case of unconsciousness place patient stably in side position for transportation.
· ***After skin contact:*** Immediately wash with water and soap and rinse thoroughly.
· ***After eye contact:*** Rinse opened eye for several minutes under running water.
· ***After swallowing:*** If symptoms persist consult doctor.
· ***Information for doctor:***
· ***Most important symptoms and effects, both acute and delayed*** No further relevant information available.
· ***Indication of any immediate medical attention and special treatment needed*** No further relevant information available.

5 Fire Fighting Measures

· ***Suitable extinguishing agents:*** Use fire extinguishing methods suitable to surrounding conditions.
· ***Special hazards arising from the substance or mixture*** No further relevant information available.
· ***Protective equipment:*** No special measures required.

6 Accidental Release Measures

· ***Personal precautions, protective equipment and emergency procedures*** Not required.
· ***Environmental precautions:*** Do not allow to enter sewers/ surface or ground water.
· ***Methods and material for containment and cleaning up:***
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to section 13.
Ensure adequate ventilation.
· ***Reference to other sections***
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7 Handling and Storage

· ***Handling:***
· ***Precautions for safe handling***
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
· ***Information about fire - and explosion protection:*** No special measures required.
· ***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.
· ***Specific end use(s)*** No further relevant information available.

8 Exposure controls and personal protection

· ***Additional information about design of technical facilities:*** No further data; see section 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.
· ***Personal protective equipment:***
· ***General protective and hygienic measures:***
Immediately remove all soiled and contaminated clothing
Wash hands before breaks and at the end of work.
· ***Respiratory protection:***
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
· ***Protection of hands:***

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

(Contd. on page 3)

Safety Data Sheet
according to WHS Regulations

Printing date 12.02.2024 *Version number 1* *Revision: 12.02.2024*

Trade name: BISCUIT OS NATURAL FLAVOR

(Contd. of page 2)

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· ***Material of gloves***
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· ***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.

· ***Eye protection:*** Goggles recommended during refilling

9 Physical and Chemical Properties

· ***General Information***	
· ***Appearance:***	
· ***Form:***	Fluid
· ***Colour:***	Yellow
· ***Odour:***	Characteristic
· ***Odour threshold:***	Not determined.
· ***pH-value:***	Not determined.
· ***Change in condition***	
· ***Melting point/freezing point:***	Undetermined.
· ***Initial boiling point and boiling range:***	266 °C
· ***Flash point:***	148 °C
· ***Flammability (solid, gas):***	Not applicable.
· ***Auto-ignition temperature:***	410 °C
· ***Decomposition temperature:***	Not determined.
· ***Ignition temperature:***	Product is not selfigniting.
· ***Explosive properties:***	Product does not present an explosion hazard.
· ***Explosion limits:***	
· ***Lower:***	Not determined.
· ***Upper:***	Not determined.
· ***Vapour pressure at 20 °C:***	>0 hPa
· ***Density:***	Not determined.
· ***Relative density***	Not determined.
· ***Vapour density***	Not determined.
· ***Evaporation rate***	Not determined.
· ***Solubility in / Miscibility with***	
· ***water:***	Not miscible or difficult to mix.
· ***Partition coefficient: n-octanol/water:***	Not determined.
· ***Viscosity:***	
· ***Dynamic:***	Not determined.
· ***Kinematic:***	Not determined.
· ***Solvent content:***	
· ***Solids content:***	0.0 %
· ***Other information***	No further relevant information available.

10 Stability and Reactivity

· ***Reactivity*** No further relevant information available.
· ***Thermal decomposition / conditions to be avoided:*** No decomposition if used according to specifications.
· ***Possibility of hazardous reactions*** No dangerous reactions known.
· ***Conditions to avoid*** No further relevant information available.
· ***Incompatible materials:*** No further relevant information available.
· ***Hazardous decomposition products:*** No dangerous decomposition products known.

11 Toxicological Information

· ***Information on toxicological effects***
· ***Acute toxicity*** Based on available data, the classification criteria are not met.

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

102-76-1 (tri-)Acetin		
Oral	LD50	3,000 mg/kg (rat)

· ***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*** May cause an allergic skin reaction.
· ***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.

(Contd. on page 4)

Safety Data Sheet
according to WHS Regulations

Printing date 12.02.2024 *Version number 1* *Revision: 12.02.2024*

Trade name: BISCUIT OS NATURAL FLAVOR

(Contd. of page 3)

· ***Aspiration hazard*** Based on available data, the classification criteria are not met.

12 Ecological Information

· ***Toxicity***
· ***Aquatic toxicity:*** No further relevant information available.
· ***Persistence and degradability*** No further relevant information available.
· ***Behaviour in environmental systems:***
· ***Bioaccumulative potential*** No further relevant information available.
· ***Mobility in soil*** No further relevant information available.
· ***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.
· ***Results of PBT and vPvB assessment***
· ***PBT:*** Not applicable.
· ***vPvB:*** Not applicable.
· ***Other adverse effects*** No further relevant information available.

13 Disposal considerations

· ***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.

14 Transport information

· ***UN-Number*** · ***ADG, IMDG, IATA***	Void
· ***UN proper shipping name*** · ***ADG, IMDG, IATA***	Void
· ***Transport hazard class(es)*** · ***ADG, ADN, IMDG, IATA*** · ***Class***	Void
· ***Packing group*** · ***ADG, IMDG, IATA***	Void
· ***Environmental hazards:***	Not applicable.
· ***Special precautions for user***	Not applicable.
· ***Transport in bulk according to Annex II of Marpol and the IBC Code***	Not applicable.
· ***UN "Model Regulation":***	Void

15 Regulatory information

· ***Safety, health and environmental regulations/legislation specific for the substance or mixture***

· ***Australian Inventory of Industrial Chemicals***	
102-76-1	(tri-)Acetin
121-33-5	vanillin
118-71-8	maltol
513-86-0	acetoin
431-03-8	diacetyl
119-84-6	Dihydrocoumarin
713-95-1	delta-Dodecalactone
80-71-7	Methylcyclopentenolone
705-86-2	delta-Decalactone
3658-77-3	4-Hydroxy-2,5-dimethyl-3(2H)-furanone
107-92-6	butyric acid
104-50-7	gamma-Octalactone
	Gamma decalactone
2305-05-7	gamma-Dodecalactone

(Contd. on page 5)

Safety Data Sheet
according to WHS Regulations

Printing date 12.02.2024 *Version number 1* *Revision: 12.02.2024*

Trade name: BISCUIT OS NATURAL FLAVOR

(Contd. of page 4)

· ***Standard for the Uniform Scheduling of Medicines and Poisons***

107-92-6	butyric acid	S6

· ***Australia: Priority Existing Chemicals***

None of the ingredients is listed.

· ***GHS label elements*** The product is classified and labelled according to the Globally Harmonised System (GHS).
· ***Hazard pictograms***

GHS07

· ***Signal word*** Warning

· ***Hazard-determining components of labelling:***
vanillin (≥2.5-<10 %)
· ***Hazard statements***
H317 May cause an allergic skin reaction.
· ***Precautionary statements***
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P280 Wear protective gloves.
P362+P364 Take off contaminated clothing and wash it before reuse.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P321 Specific treatment (see on this label).
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· ***Directive 2012/18/EU***
· ***Named dangerous substances - ANNEX I*** None of the ingredients is listed.
· ***Chemical safety assessment:*** A Chemical Safety Assessment has not been carried out.

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***
H302 Harmful if swallowed.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.

· ***Department issuing SDS:*** Regulation and technical service
· ***Contact:***
· ***Abbreviations and acronyms:***
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
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)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
Acute Tox. 4: Acute toxicity – Category 4
Serious eye damage/irritation – Category 2A: Serious eye damage/eye irritation – Category 2A
Skin Sens. 1: Skin sensitisation – Category 1