Safety Data Sheet
according to WHS Regulations

Printing date 06.09.2022 *Version number 1* *Revision: 06.09.2022*

Hazardous according to criteria of Australian Safety and Compensation Council.

1 Identification

· ***Product identifier***

· ***Trade name:*** ***BLACKBERRY NATURALL FLAVOR***

· ***Article number:*** AAB1719
· ***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
4/20-28 Ricketty Street
Mascot NSW 2020
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***

flame

Flam. Liq. 2 H225 Highly flammable liquid and vapour.

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

GHS02

· ***Signal word*** Danger
· ***Hazard statements***
H225 Highly flammable liquid and vapour.
· ***Precautionary statements***

P210	Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/lighting equipment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P303+P361+P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/ shower.
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:***

64-17-5	ethanol Flam. Liq. 2, H225	50-100%
121-33-5	vanillin Acute Tox. 4, H302; Eye Irritation 2A, H319; Skin Sens. 1, H317	≥0.1-<1%
5471-51-2	4-(p-Hydroxyphenyl)-2-butanone Acute Tox. 3, H301	≤2.5%

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

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4 First Aid Measures

· ***Description of first aid measures***
· ***General information:*** Immediately remove any clothing soiled by the product.
· ***After inhalation:*** Supply fresh air; consult doctor in case of complaints.
· ***After skin contact:*** Immediately rinse with water.
· ***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

· ***Extinguishing media***
· ***Suitable extinguishing agents:*** CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
· ***Special hazards arising from the substance or mixture*** No further relevant information available.
· ***Advice for firefighters***
· ***Protective equipment:*** No special measures required.

6 Accidental Release Measures

· ***Personal precautions, protective equipment and emergency procedures***
Wear protective equipment. Keep unprotected persons away.
· ***Environmental precautions:***
Dilute with plenty of water.
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 item 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*** No special precautions are necessary if used correctly.
· ***Information about fire - and explosion protection:***
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.

· ***Conditions for safe storage, including any incompatibilities***
· ***Storage:***
· ***Requirements to be met by storerooms and receptacles:*** Store in a cool location.
· ***Information about storage in one common storage facility:*** Not required.
· ***Further information about storage conditions:***
Keep container tightly sealed.
Store in cool, dry conditions in well sealed receptacles.
· ***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 item 7.

· ***Control parameters***

· ***Ingredients with limit values that require monitoring at the workplace:***	
64-17-5 ethanol	
WES	Long-term value: 1880 mg/m³, 1000 ppm

· ***Additional information:*** The lists valid during the making were used as basis.

· ***Exposure controls***
· ***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:*** Not required.

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· ***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.
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:***

Tightly sealed goggles

9 Physical and Chemical Properties

· ***Information on basic 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:	78 °C
· ***Flash point:***	13 °C
· ***Flammability (solid, gas):***	Not applicable.
· ***Decomposition temperature:***	Not determined.
· ***Auto-ignition temperature:***	Product is not selfigniting.
· ***Explosive properties:***	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
· ***Explosion limits:***	
Lower:	3.5 Vol %
Upper:	15 Vol %
· ***Vapour pressure at 20 °C:***	59 hPa
· ***Density:***	Not determined.
· ***Relative density***	Not determined.
· ***Vapour density***	Not determined.
· ***Evaporation rate***	Not determined.
· ***Solubility in / Miscibility with***	
water:	Fully miscible.
· ***Partition coefficient: n-octanol/water:***	Not determined.
· ***Viscosity:***	
Dynamic:	Not determined.
Kinematic:	Not determined.
· ***Solvent content:***	
Organic solvents:	74.2 %
Solids content:	0.0 %
· ***Other information***	No further relevant information available.

10 Stability and Reactivity

· ***Reactivity*** No further relevant information available.

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· ***Chemical stability***
· ***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***
· ***Primary irritant effect:***
· ***Skin corrosion/irritation*** No irritant effect.
· ***Serious eye damage/irritation*** No irritating effect.
· ***Respiratory or skin sensitisation*** No sensitising effects known.

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.
· ***Recommended cleansing agents:*** Water, if necessary together with cleansing agents.

14 Transport information

· ***UN-Number***	
· ***ADG, IMDG, IATA***	UN1169
· ***UN proper shipping name***	
· ***ADG***	1169 EXTRACTS, AROMATIC, LIQUID, special provision 640D
· ***IMDG, IATA***	EXTRACTS, AROMATIC, LIQUID
· ***Transport hazard class(es)***	
· ***ADG***	
· ***Class***	3 (F1) Flammable liquids.
· ***Label***	3
· ***IMDG, IATA***	
· ***Class***	3 Flammable liquids.
· ***Label***	3

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· ***Packing group***	
· ***ADG, IMDG, IATA***	II
· ***Environmental hazards:***	Not applicable.
· ***Special precautions for user***	Warning: Flammable liquids.
· ***Hazard identification number (Kemler code):***	33
· ***EMS Number:***	F-E,S-D
· ***Stowage Category***	B
· ***Transport in bulk according to Annex II of Marpol and the IBC Code***	Not applicable.
· ***Transport/Additional information:***	
· ***ADG***	
· ***Limited quantities (LQ)***	5L
· ***Excepted quantities (EQ)***	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
· ***Transport category***	2
· ***Tunnel restriction code***	D/E
· ***IMDG***	
· ***Limited quantities (LQ)***	5L
· ***Excepted quantities (EQ)***	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
· ***UN "Model Regulation":***	UN 1169 EXTRACTS, AROMATIC, LIQUID, SPECIAL PROVISION 640D, 3, II

15 Regulatory information

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

· ***Australian Inventory of Industrial Chemicals***

64-17-5	ethanol
118-71-8	maltol
121-33-5	vanillin
5471-51-2	4-(p-Hydroxyphenyl)-2-butanone
7452-79-1	ETHYL 2-METHYLBUTYRATE (NATURAL)
78-70-6	Linalool
107-92-6	butyric acid

· ***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***

GHS02

· ***Signal word*** Danger
· ***Hazard statements***
H225 Highly flammable liquid and vapour.
· ***Precautionary statements***

P210	Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/lighting equipment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P303+P361+P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/ shower.
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.
· ***Seveso category*** P5c FLAMMABLE LIQUIDS
· ***Qualifying quantity (tonnes) for the application of lower-tier requirements*** 5,000 t
· ***Qualifying quantity (tonnes) for the application of upper-tier requirements*** 50,000 t

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· ***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***
H225 Highly flammable liquid and vapour.
H301 Toxic if swallowed.
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)
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
Flam. Liq. 2: Flammable liquids – Category 2
Acute Tox. 3: Acute toxicity – Category 3
Acute Tox. 4: Acute toxicity – Category 4
Eye Irritation 2A: Serious eye damage/eye irritation – Category 2A
Skin Sens. 1: Skin sensitisation – Category 1