

SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006 (REACH) as amended -
COMMISSION REGULATION (EU) 2020/878

Denssi Energy Berry Beast

Creation date	20th June 2025	Version	1.0
Revision date			

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

- 1.1. Product identifier** Denssi Energy Berry Beast
Substance / mixture mixture
- 1.2. Relevant identified uses of the substance or mixture and uses advised against**
Mixture's intended use
Caffeine pouches
The use descriptors
SU 21 Consumer uses: Private households (= general public = consumers)
Mixture uses advised against
The product should not be used in ways other than those referred in Section 1.
- 1.3. Details of the supplier of the safety data sheet**
Manufacturer
Name or trade name FUTURENOW360 OÜ
Address Roseni tn 7, 10111
Estonia
VAT Reg No EE1027557
Phone +971525558614
E-mail info@futurenow360.com
Competent person responsible for the safety data sheet
Name FUTURENOW360 OÜ
E-mail info@futurenow360.com
- 1.4. Emergency telephone number**
European emergency number: 112

SECTION 2: Hazards identification

- 2.1. Classification of the substance or mixture**
Classification of the mixture in accordance with Regulation (EC) No 1272/2008
The mixture is classified as dangerous.

Aquatic Chronic 3, H412
Most serious adverse effects on human health and the environment
Harmful to aquatic life with long lasting effects.
- 2.2. Label elements**
Hazard statements
H412 Harmful to aquatic life with long lasting effects.
Precautionary statements
P102 Keep out of reach of children.
P273 Avoid release to the environment.
P501 Dispose of contents/container to in accordance with national regulations.
- 2.3. Other hazards**
The mixture does not contain substances with endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.
Mixture does not contain any substance meet the criteria for PBT or vPvB in accordance with Annex XIII of Regulation (EC) No. 1907/2006 (REACH) as amended.

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SECTION 3: Composition/information on ingredients

3.2. Mixtures

Mixture contains these hazardous substances and substances with the highest permissible concentration in the working environment

Identification numbers	Substance name	Content in % weight	Classification according to Regulation (EC) No 1272/2008	Note
Index: 613-086-00-5 CAS: 58-08-2 EC: 200-362-1	caffeine	16,67	Acute Tox. 4, H302	1
CAS: 56-81-5 EC: 200-289-5	glycerol	3-5	not classified as dangerous	1
Index: 011-005-00-2 CAS: 497-19-8 EC: 207-838-8	Sodium carbonate	0.5-1.5	Eye Irrit. 2, H319	

Notes

1 A substance for which exposure limits are set.

Full text of all classifications and hazard statements is given in the section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Take care of your own safety. If any health problems are manifested or if in doubt, inform a doctor and show him information from this safety data sheet.

If inhaled

There are not any particular first aid measures required. If the affected person is not breathing, breathing is irregular or in respiratory arrest provide artificial respiration or oxygen. Provide medical treatment if irritation, dyspnoea or other symptoms persist.

If on skin

There are not any particular first aid measures required. Remove contaminated clothes. Rinse skin with water or shower. Provide medical treatment if skin irritation persists.

If in eyes

Rinse eyes immediately with a flow of running water, open the eyelids (also using force if needed); remove contact lenses immediately if worn by the affected person. Depending on the situation, call medical rescue service or ensure medical treatment.

If swallowed

Rinse out the mouth with clean water. In the event of issues, find medical help.

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4.2. Most important symptoms and effects, both acute and delayed

If inhaled

Not expected.

May cause respiratory irritation. Cough, headache.

If on skin

May cause an allergic skin reaction. Irritation, itching, redness.

If in eyes

Not expected.

It can cause irritation and restorable damage. Irritation, lacrimation, pain.

If swallowed

Irritation, nausea.

4.3. Indication of any immediate medical attention and special treatment needed

Symptomatic treatment.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Alcohol-resistant foam, carbon dioxide, powder, water spray jet, water mist.

Unsuitable extinguishing media

Water - full jet.

5.2. Special hazards arising from the substance or mixture

In the event of fire, carbon monoxide, carbon dioxide and other toxic gases may arise. Inhalation of hazardous degradation (pyrolysis) products may cause serious health damage.

5.3. Advice for firefighters

Do not inhale smoke/gases produced by fire or heating. Do not intervene if it endangers your health or if you are not properly trained. Full protective clothing (EN 469:2020), helmet (EN 443:2008), protective boots (EN 15090:2012), gloves (EN 659:2003+A1:2008/AC:2009), and self-contained breathing apparatus (EN 137:2006).

Do not allow run-off of contaminated fire extinguishing material to enter drains or surface and ground water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Use personal protective equipment for work. Follow the instructions in the Sections 7 and 8.

Prevent contact with skin and eyes. Do not inhale dust.

6.2. Environmental precautions

Prevent contamination of the soil and entering surface or ground water. In the event of substantial pollution, contact respective authorities and wastewater treatment plants.

6.3. Methods and material for containment and cleaning up

Place the product mechanically in an appropriate manner. Dispose of the collected material according to the instructions in the section 13.

Small amount of the product can be wiped out with dry cloth. After removal of the product, wash the contaminated site with plenty of water.
Ventilate the room.

6.4. Reference to other sections

See the Section 7, 8 and 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Prevent formation of gases and vapours in concentrations exceeding the occupational exposure limits.

Use personal protective equipment as per Section 8.

Observe valid legal regulations on safety and health protection.

7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed containers in cold, dry and well ventilated areas designated for this purpose.

7.3. Specific end use(s)

Keep out of reach of children.

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

The mixture contains substances for which occupational exposure limits are set.

Finland

HTP-ARVOT 2020

Substance name (component)	Type	Value
glycerol (CAS: 56-81-5)		20 mg/m ³

Lithuania

Lithuanian hygiene standards HN 23: 2011

Substance name (component)	Type	Value
caffeine (CAS: 58-08-2)	IPRD	0,5 mg/m ³
Propane-1,2-diol (CAS: 57-55-6)	IPRD	7 mg/m ³

8.2. Exposure controls

Follow the usual measures intended for health protection at work and especially for good ventilation. This can be achieved only by local suction or efficient general ventilation.

Do not eat, drink and smoke during work.

Wash your hands thoroughly with water and soap after work and before breaks for a meal and rest.

Eye/face protection

Under regular circumstances it is not necessary.

Protective glasses are recommended when filling. EN ISO 16321-1:2022.

Skin protection

Under regular circumstances it is not necessary.

When handling in long-term or repeatedly, use protective gloves. EN ISO 374-1. When choosing appropriate thickness, material and permeability of the gloves, observe recommendations of their particular manufacturer. Use barrier creams for skin protection, they should, however, not be applied once exposure has occurred.

Respiratory protection

Under regular circumstances it is not necessary.

Half-mask with anti-dust filter (P2 or P3) when the exposition limits of substances are exceeded or in the location with insufficient ventilation. EN 14387.

Thermal hazard

Not available.

Environmental exposure controls

Observe usual measures for protection of the environment, see Section 6.2.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	solid
Colour	white
Odour	according to fragrance
Melting point/freezing point	data not available
Boiling point or initial boiling point and boiling range	data not available
Flammability	data not available
Lower and upper explosion limit	data not available
Flash point	>60 °C
Auto-ignition temperature	data not available
Decomposition temperature	data not available
pH	data not available
Kinematic viscosity	data not available
Solubility in water	data not available
Partition coefficient n-octanol/water (log value)	data not available
Vapour pressure	data not available

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Density and/or relative density

data not available

Relative vapour density

data not available

Particle characteristics

data not available

9.2. Other information

not available

SECTION 10: Stability and reactivity

10.1. Reactivity

When used in the standard way, there is not any dangerous reaction with other substances.

10.2. Chemical stability

The product is stable under normal conditions.

10.3. Possibility of hazardous reactions

Unknown. The product is stable under normal conditions.

10.4. Conditions to avoid

The product is stable and no degradation occurs under normal use.

10.5. Incompatible materials

Unknown.

10.6. Hazardous decomposition products

Not developed under normal uses. Dangerous outcomes such as carbon monoxide and carbon dioxide are formed at high temperature and in fire.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Inhalation of solvent vapors above values exceeding exposure limits for working environment may result in acute inhalation poisoning, depending on the level of concentration and exposure time. No toxicological data is available for the mixture.

Acute toxicity

Based on the available data, the criteria for classification of the mixture are not met.

caffeine						
Route of exposure	Parameter	Method	Value	Exposure time	Species	Sex
Oral	LD ₅₀	OECD 401	367.7 mg/kg		Rat	F/M
Inhalation (vapor)	LC ₅₀	OECD 403	4.94 mg/l	4 hours	Rat	F/M
Dermal	LD ₅₀	OECD 402	>2000 mg/kg		Rat	F/M

Skin corrosion/irritation

Based on the available data, the criteria for classification of the mixture are not met.

caffeine				
Route of exposure	Result	Method	Exposure time	Species
Dermal	Not irritating	OECD 404	4 hours	Rabbit

Serious eye damage/irritation

Based on the available data, the criteria for classification of the mixture are not met.

caffeine				
Route of exposure	Result	Method	Exposure time	Species
Eye	Not irritating	OECD 405		Rabbit

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Respiratory or skin sensitisation

Based on the available data, the criteria for classification of the mixture are not met.
May cause an allergic skin reaction. Irritation, itching, redness.

caffeine						
Route of exposure	Result	Method	Exposure time	Species	Sex	Source
	Not sensitizing	OECD 429		Mouse		Local lymph node assay (LLNA)

Germ cell mutagenicity

Based on the available data, the criteria for classification of the mixture are not met.

Carcinogenicity

Based on the available data, the criteria for classification of the mixture are not met.

Reproductive toxicity

Based on the available data, the criteria for classification of the mixture are not met.

Toxicity for specific target organ - single exposure

Based on the available data, the criteria for classification of the mixture are not met.

Toxicity for specific target organ - repeated exposure

Based on the available data, the criteria for classification of the mixture are not met.

caffeine						
Route of exposure	Parameter	Value	Exposure time	Result	Species	Sex
Oral	NOEL	167.4-179.4 mg/kg	90 days		Mouse	F/M

Aspiration hazard

Based on the available data, the criteria for classification of the mixture are not met.

11.2. Information on other hazards

Endocrine disrupting properties

The mixture does not contain substances with endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

Other information

not available

SECTION 12: Ecological information

12.1. Toxicity

Harmful to aquatic life with long lasting effects.

Acute toxicity

caffeine							
Parameter	Method	Value	Exposure time	Species	Environment	Value determination	Source
LC ₅₀		87 mg/l	96 hours	Fish (Leuciscus idus)		Static system	DIN 38412 part 15

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caffeine							
Parameter	Method	Value	Exposure time	Species	Environment	Value determination	Source
NOEC		46 mg/l	96 hours	Fish (Leuciscus idus)		Static system	DIN 38412 part 15
EC ₅₀		182 mg/l	48 hours	Daphnia (Daphnia magna)		Static system	DIN 38412
ErC ₅₀	OECD 201	>100 mg/l	72 hours	Algae (Desmodesmus subspicatus)		Static system	
EC ₅₀	OECD 209	>1000 mg/l	3 hours	Bacteria			

12.2. Persistence and degradability

Data for the mixture are not available.

Biodegradability

caffeine					
Parameter	Method	Value	Exposure time	Environment	Result
	OECD 301A	90-100 %	22 days		Easily biodegradable

12.3. Bioaccumulative potential

No data are available for either the mixture or the components.

12.4. Mobility in soil

Based on the available data, the criteria for classification of the mixture are not met.
Does not contain any PMT or vPvM components.

12.5. Results of PBT and vPvB assessment

Based on the available data, the criteria for classification of the mixture are not met.
Does not contain any PBT or vPvB components.

12.6. Endocrine disrupting properties

Based on the available data, the criteria for classification of the mixture are not met.
Does not contain any components that may cause endocrine disruption in the environment.

12.7. Other adverse effects

Not available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Proceed in accordance with valid regulations on waste disposal. Any unused product and contaminated packaging should be put in labelled containers for waste collection and submitted for disposal to a person authorised for waste removal (a specialized company) that is entitled for such activity. Do not empty unused product in drainage systems. Empty containers may be used at waste incinerators to produce energy or deposited in a dump with appropriate classification. Perfectly cleaned containers can be submitted for recycling.

Waste management legislation

Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste, as amended.
Decision 2000/532/EC establishing a list of wastes, as amended.

SECTION 14: Transport information

14.1. UN number or ID number

not subject to transport regulations

14.2. UN proper shipping name

not relevant

14.3. Transport hazard class(es)

not relevant

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14.4. Packing group

not relevant

14.5. Environmental hazards

not relevant

14.6. Special precautions for user

Reference in the Sections 4 to 8.

14.7. Maritime transport in bulk according to IMO instruments

not relevant

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Regulation (EC) No. 1907/2006 of the European Parliament and of the Council of 18th December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing the European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No. 793/93 and Commission Regulation (EC) No. 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, as amended.

REGULATION (EC) No. 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL as amended.

Commission Regulation (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

15.2. Chemical safety assessment

A chemical safety assessment has not been carried out.

SECTION 16: Other information

A list of standard risk phrases used in the safety data sheet

EUH208	Contains Citrus aurantiifolia, ext., Orange, sweet, ext., CITRUS LIMON. May produce an allergic reaction.
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

Guidelines for safe handling used in the safety data sheet

P102	Keep out of reach of children.
P273	Avoid release to the environment.
P501	Dispose of contents/container to in accordance with national regulations.

Other important information about human health protection

The product must not be - unless specifically approved by the manufacturer/importer - used for purposes other than as per the Section 1. The user is responsible for adherence to all related health protection regulations.

Key to abbreviations and acronyms used in the safety data sheet

Acute Tox.	Acute toxicity
ADR	European agreement concerning the international carriage of dangerous goods by road
Aquatic Acute	Hazardous to the aquatic environment
Aquatic Chronic	Hazardous to the aquatic environment (chronic)
Asp. Tox.	Aspiration hazard
BCF	Bioconcentration Factor
CAS	Chemical Abstracts Service
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substance and mixtures

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EC	Identification code for each substance listed in EINECS
EC ₅₀	Concentration of a substance when it is affected 50 % of the population
EINECS	European Inventory of Existing Commercial Chemical Substances
EmS	Emergency plan
EU	European Union
EuPCS	European Product Categorisation System
Eye Irrit.	Eye irritation
Flam. Liq.	Flammable liquid
IATA	International Air Transport Association
IBC	International Code For The Construction And Equipment of Ships Carrying Dangerous Chemicals
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
IMO	International Maritime Organization
INCI	International Nomenclature of Cosmetic Ingredients
ISO	International Organization for Standardization
IUPAC	International Union of Pure and Applied Chemistry
LC ₅₀	Lethal concentration of a substance in which it can be expected death of 50% of the population
LD ₅₀	Lethal dose of a substance in which it can be expected death of 50% of the population
log K _{ow}	Octanol-water partition coefficient
NOEC	No observed effect concentration
OEL	Occupational Exposure Limits
PBT	Persistent, bioaccumulative and toxic
PMT	Persistent, mobile and toxic
ppm	Parts per million
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Agreement on the transport of dangerous goods by rail
Skin Irrit.	Skin irritation
Skin Sens.	Skin sensitization
UN	Four-figure identification number of the substance or article taken from the UN Model Regulations
UVCB	Substances of unknown or variable composition, complex reaction products or biological materials
VOC	Volatile organic compounds
vPvB	Very persistent and very bioaccumulative
vPvM	Very persistent and very mobile

Training guidelines

Inform the personnel about the recommended ways of use, mandatory protective equipment, first aid and prohibited ways of handling the product.

Recommended restrictions of use

not available

Information about data sources used to compile the Safety Data Sheet

REGULATION (EC) No. 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL (REACH) as amended.

REGULATION (EC) No. 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL as amended.

Data from the manufacturer of the substance / mixture, if available - information from registration dossiers.

More information

Classification procedure - calculation method.

Statement

The safety data sheet provides information aimed at ensuring safety and health protection at work and environmental protection. The provided information corresponds to the current status of knowledge and experience and complies with valid legal regulations. The information should not be understood as guaranteeing the suitability and usability of the product for a particular application.

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