

Blueberry Emulsion, Natural/Artificial

Safety Data Sheet

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

1.1. Product identifier

Product name : EYZA - Blueberry Emulsion, Natural/Artificial
Product form : Mixture

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : Food industry: component

1.3. Details of the supplier of the safety data sheet

OliveNation LLC
13 Robbie Road A4
Avon, MA 02322
617-580-3667

1.4. Emergency telephone number

Emergency number : CHEMTREC: Within USA and Canada: 1.800.424.9300 Outside USA and Canada: +1 703 527 3887

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (GHS-US)

Not classified

2.2. Label elements

GHS-US labeling

No labeling applicable

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS-US)

Not applicable

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

*The specific chemical identities of the ingredients in this mixture, as well as, exact concentrations of any hazardous ingredients stated above, are considered trade secrets. This information is withheld in accordance with the provisions of 1910.1200 of the Code of Federal Regulations.

Full text of H-phrases: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact	: Wash skin with plenty of water.
First-aid measures after eye contact	: Rinse eyes with water as precaution.
First-aid measures after ingestion	: Call a poison center or a doctor if you feel unwell.

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

No additional information available.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Water spray, dry powder. Foam. Carbon dioxide.

5.2. Special hazards arising from the substance or mixture

Reactivity : the product is non-reactive under normal conditions of use, storage and transport/

5.3. Advice for firefighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "exposure controls/personal protection"

6.2. Environmental precautions

Avoid release to the environment

6.3. Methods and material for containment and cleaning up

Methods for cleaning : Take up liquid spill into absorbent material.
up Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment.
Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in well ventilated place. Keep cool.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

EYZA Blueberry Emulsion

No additional information available.

8.2. Exposure controls

Appropriate engineering controls : Ensure good ventilation of the work station.

Environmental exposure controls : Avoid release to the environment.

8.3 Individual protection measures/ Personal protective equipment

Hand protection:

Protective gloves

Eye protection:

Safety glasses

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Color	: Mixture contains one or more component(s) which have the following color(s): colorless light yellow to colorless on exposure to air; Yellow-brown light yellow colorless to light yellow colorless to yellow white
Odor	: There may be no odor warning properties, odor is subjective and inadequate to warn of overexposure.
Odor threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: 100°F
Flash point	: 200°F
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapor pressure	: No data available

Relative vapor density at 20 °C	: No data available
Relative density	: No data available
Density	: 1.014
Solubility	: Soluble in water.
Partition coefficient n-octonal/water (Log Pow)	: No data available.
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

No additional information available.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

Proprietary Flavor Ingredient – RW- 216 (57-55-6)	
LD50 oral rat	22000 mg/kg (Rat, Male/female, Experimental value, Oral)
LD50 dermal rat	>2000 mg/kg bodyweight (24h, Rabbit, Experimental value, Dermal, 14 day(s))
LC50 Inhalation – Rat	>44.9 mg/l (4h, Rat, Male/female, Experimental value, Inhalation (aersol), 7 day(s))

Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitization	: Not classified

Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified
Viscosity, kinematic	: No data available.

SECTION 12: Ecological information

12.1. Toxicity

Ecology- general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

Proprietary flavor ingredient- RW- 216 (57-55-6)	
LC50- Fish [1]	40613 mg/l (96h, Oncorhynchus mykiss, Static system, fresh water, Experimental value, Measured concentration)
ErC50 algae	24200 mg/l (OECD 201: Alga, Growth Inhibition test, 72h, Psedokirchneriella subcapitata, Static system, Fresh water, Experimental value, GLP)

12.2. Persistence and degradability

Proprietary Flavor Ingredient – RW- 216 (57-55-6)

Persistence and degradability	Biodegradable in the soil. Readily biodegradable in water.
Biochemical oxygen demand (BOD)	0.96-1.08 O ₂ /g substance
Chemical oxygen demand (COD)	1.63 g O ₂ /g substance

Proprietary Flavor Ingredient-RW-216 (57-55-6)

ThOD	1.69g O ₂ /g substance
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12.3. Bioaccumulative potential

Proprietary Flavor Ingredient – RW-216 (57-55-6)

Partition coefficient n-octonal/water (Log Pow)	-1.1 (Experimental value, EU Method A.8: Partition Coefficient, 20.5°C)
Bioaccumulative potential	Not bioaccumulative

12.4. Mobility in soil

Proprietary Flavor Ingredient – RW-216 (57-55-6)

Surface tension	71.6 mN/m (22°C, 1.01 g/l, EU Method A.5: Surface tension)
Organic carbon normalized adsorption coefficient (Log Koc)	0.46 (log Koc, Calculated value)
Ecology soil	Highly mobile in soil

12.5. Other adverse effects

No additoinal information available. :

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Dispose of contents/ container In accordance with licensed collector's sorting instructions.

SECTION 14: Transport information

14.1 UN number

Not regulated for transport

14.2 UN proper shipping Name

Proper Shipping Name (DOT) : Not applicable
Proper Shipping Name (TDG) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable

14.3 Transport hazard class(es)

DOT

Transport hazard class(es) (DOT) : Not applicable

TDG

Transport hazard class(es) (TDG) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

14.4 packing group

Packing group (DOT) : Not applicable
Packing group (TDG) : Not applicable
Packing group (IMDG) : Not applicable
Packing group (IATA) : Not applicable

14.5 Environmental hazard

Other information : No supplementary information available.

14.6. Special precautions for user

DOT

No data available

TDG

No data available

IMDG

No data available

IATA

No data available.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable.

15.1. US Federal regulations

Commercial status of components according to the United States Environmental Protection Agency's Toxic Substances Control Act (TSCA):

Name	CAS-No.	Listing	Commercial status	Flags
Proprietary Flavor Ingredient – RW- 218	7732-15-5	Present	Active	XU
Proprietary Flavor Ingredient – RW- 216	57-55-6	Present	Active	XU

15.2. International regulations

CANADA

Proprietary Flavor Ingredient- RW-218 (7732-18-5)

Listed on the Canadian DSL (Domestic Substances List)

Proprietary Flavor Ingredient- RW-216 (57-55-6)

Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

No additional information available

National regulations

Proprietary Flavor Ingredient- RW-218 (7732-18-5)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

Proprietary Flavor Ingredient- RW-216 (57-55-6)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

15.3. US State regulations

Component	State or local regulations
Proprietary Flavor ingredient – RW- 216 (57-55-6)	U.S.- New Jersey- Right to Know Hazardous Substance List; U.S.- Pennsylvania - RTK (Right to Know) List.

SECTION 16: Other information

This information is based on our current knowledge and is intended to describe the product for the purpose of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.