



~~978/144055K~~

FLAVOR EXTRACT - 3 FOLD FAE

Safety Data Sheet

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

1.1. Product identifier

~~BURGEM~~ ~~DPH~~ Black Cherry Flavor ~~(MDEW)ROG~~

~~BURGEM~~ ~~6N~~ ~~0~~

~~BURGEM~~ ~~ROPI~~ 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

GHS-US classification

Flam. Liq. 4 H227

2.2. Label elements

GHS-US labeling

Signal word (GHS-US) : Warning
Hazard statements (GHS-US) : Combustible liquid
Precautionary statements (GHS-US) : Keep away from heat source and sparks . No smoking near container.
Wear eye protection and protective gloves.
In case of fire: Use ABC-powder to extinguish
Store in a well-ventilated place. Keep cool
Dispose of contents/container to an approved waste disposal plant

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. Substances

Not applicable

3.2. Mixtures

| Name | % | GHS-US classification |
|--------------------------------------|--------------|--|
| Proprietary Flavor Ingredient - P226 | 17.8 - 21.44 | Flam. Liq. 4, H227 Acute Tox. 4 (Oral), H302 Aquatic Acute 3, H402 |
| Proprietary Flavor Ingredient - P210 | 1.49 - 1.8 | Acute Tox. 4 (Oral), H302 Aquatic Acute 3, H402 |
| Proprietary Flavor Ingredient - 546 | 0.12 - 0.15 | Flam. Liq. 3, H226 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Skin Sens. 1, H317 Asp. Tox. 1, H304 Aquatic Chronic 2, H411 |

*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 general | : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible). |
| First-aid measures after inhalation | : Allow victim to breathe fresh air. Allow the victim to rest. |
| First-aid measures after skin contact | : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. |
| First-aid measures after eye contact | : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists. |
| First-aid measures after ingestion | : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention. |

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

| | |
|------------------|--|
| Symptoms/effects | : Not expected to present a significant hazard under anticipated conditions of normal use. |
|------------------|--|

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

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

| | |
|--------------------------------|--|
| Suitable extinguishing media | : Foam. Dry powder. Carbon dioxide. Water spray. Sand. |
| Unsuitable extinguishing media | : Do not use a heavy water stream. |

5.2. Special hazards arising from the substance or mixture

| | |
|------------------|---|
| Fire hazard | : Combustible liquid. |
| Explosion hazard | : May form flammable/explosive vapor-air mixture. |

5.3. Advice for firefighters

| | |
|--------------------------------|---|
| Firefighting instructions | : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment. |
| Protection during firefighting | : Do not enter fire area without proper protective equipment, including respiratory protection. |

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

| | |
|------------------|---|
| General measures | : Remove ignition sources. Use special care to avoid static electric charges. No open flames. No smoking. |
|------------------|---|

6.1.1. For non-emergency personnel

| | |
|----------------------|-----------------------------------|
| Emergency procedures | : Evacuate unnecessary personnel. |
|----------------------|-----------------------------------|

6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection.
 Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed : Handle empty containers with care because residual vapors are flammable. Keep away from heat source and sparks . No smoking near container.
 Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor. No open flames. No smoking.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Proper grounding procedures to avoid static electricity should be followed.
 Storage conditions : Keep only in the original container in a cool, well ventilated place away from : Keep container closed when not in use. Keep in fireproof place.
 Incompatible products : Strong bases. Strong acids.
 Incompatible materials : Sources of ignition. Direct sunlight. Heat sources.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

| FAE / Black Cherry Flavor Extract - 3 Fold | |
|---|----------------|
| ACGIH | Not applicable |
| OSHA | Not applicable |
| Proprietary Flavor Ingredient - 546 | |
| ACGIH | Not applicable |
| OSHA | Not applicable |
| Proprietary Flavor Ingredient - P210 | |
| ACGIH | Not applicable |
| OSHA | Not applicable |
| Proprietary Flavor Ingredient - P226 | |
| ACGIH | Not applicable |
| OSHA | Not applicable |

8.2. Exposure controls

Personal protective equipment : Avoid all unnecessary exposure.
 Hand protection : Wear eye protection and protective gloves. protective gloves.
 Eye protection : Chemical goggles or safety glasses.

Respiratory protection : Wear appropriate mask.
Other information : Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid
Color : Refer to specification sheet
Odor : characteristic
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 : 164 °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
Specific gravity / density : 0.97
Solubility : Soluble in oil.
Water: No
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
Explosion limits : No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

Combustible liquid. May form flammable/explosive vapor-air mixture.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures. Open flame. Overheating. Heat. Sparks.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

fume. Carbon monoxide. Carbon dioxide. May release flammable gases.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

| Proprietary Flavor Ingredient - P210 | |
|--------------------------------------|------------------------|
| LD50 oral rat | 1510 mg/kg (Rat) |
| LD50 dermal rabbit | > 5000 mg/kg (Rabbit) |
| ATE US (oral) | 1510 mg/kg body weight |

| Proprietary Flavor Ingredient - P226 | |
|--------------------------------------|------------------------|
| LD50 oral rat | 1300 mg/kg (Rat) |
| LD50 dermal rat | > 1250 mg/kg (Rat) |
| LD50 dermal rabbit | 5000 mg/kg (Rabbit) |
| ATE US (oral) | 1300 mg/kg body weight |
| ATE US (dermal) | 5000 mg/kg body weight |

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
 Potential Adverse human health effects and symptoms : Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

12.1. Toxicity

| Proprietary Flavor Ingredient - P210 | |
|--------------------------------------|-----------------------|
| LC50 fish 1 | 220 mg/l (LC50; 96 h) |
| EC50 Daphnia 1 | 83 mg/l (EC50; 48 h) |
| Threshold limit algae 1 | 43 mg/l (EC50; 72 h) |

| Proprietary Flavor Ingredient - P226 | |
|--------------------------------------|---|
| EC50 Daphnia 1 | 50 mg/l (EC50; 24 h) |
| LC50 fish 2 | 11.2 mg/l (LC50; 96 h; Salmo gairdneri) |

12.2. Persistence and degradability

| FAE / Black Cherry Flavor Extract - 3 Fold | |
|--|------------------|
| Persistence and degradability | Not established. |

| Proprietary Flavor Ingredient - P210 | |
|--------------------------------------|---------------------------------|
| Persistence and degradability | Readily biodegradable in water. |

| Proprietary Flavor Ingredient - P226 | |
|--------------------------------------|--|
| Persistence and degradability | Readily biodegradable in water. Biodegradable in the soil. |
| Biochemical oxygen demand (BOD) | 1.62 g O ₂ /g substance |

| Proprietary Flavor Ingredient - P226 | |
|---|------------------------------------|
| Chemical oxygen demand (COD) | 1.98 g O ₂ /g substance |
| ThOD | 2.42 g O ₂ /g substance |
| BOD (% of ThOD) | 0.67 |

12.3. Bioaccumulative potential

| FAE / Black Cherry Flavor Extract - 3 Fold | |
|---|------------------|
| Bioaccumulative potential | Not established. |

| Proprietary Flavor Ingredient - P210 | |
|---|--|
| Log Pow | 1.5 |
| Bioaccumulative potential | Low potential for bioaccumulation (Log Kow < 4). |

| Proprietary Flavor Ingredient - P226 | |
|---|--|
| BCF other aquatic organisms 1 | 4.2 - 7.8 (BCF) |
| Log Pow | 1.48 (Experimental value) |
| Bioaccumulative potential | Low potential for bioaccumulation (Log Kow < 4). |

12.4. Mobility in soil

| Proprietary Flavor Ingredient - P226 | |
|---|------------------|
| Surface tension | 0.04 N/m (20 °C) |

12.5. Other adverse effects

| | |
|------------------------------|---------------------------------------|
| Effect on ozone layer | : No additional information available |
| Effect on the global warming | : No known effects from this product. |
| Other information | : Avoid release to the environment. |

SECTION 13: Disposal considerations

13.1. Waste treatment methods

| | |
|--|--|
| Product/Packaging disposal recommendations | : Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to an approved waste disposal plant. |
| Additional information | : Handle empty containers with care because residual vapors are flammable. |
| Ecology - waste materials | : Avoid release to the environment. |

SECTION 14: Transport information

In accordance with DOT
Not regulated for transport

Additional information

Other information : No supplementary information available.

ADR

No additional information available

Transport by sea

No additional information available

Air transport

No additional information available

SECTION 15: Regulatory information

15.1. US Federal regulations

Proprietary Flavor Ingredient - 167

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Proprietary Flavor Ingredient - 546

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Proprietary Flavor Ingredient - P210

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Proprietary Flavor Ingredient - P226

Listed on the United States TSCA (Toxic Substances Control Act) inventory

15.2. International regulations

CANADA

No additional information available

EU-Regulations

No additional information available

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Not classified

15.2.2. National regulations

15.3. US State regulations

Proprietary Flavor Ingredient - P226

U.S. - New Jersey - Right to Know Hazardous Substance List

SECTION 16: Other information

Other information

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Full text of H-phrases:

| | |
|------|---|
| H226 | Flammable liquid and vapor |
| H227 | Combustible liquid |
| 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 |
| H402 | Harmful to aquatic life |
| H411 | Toxic to aquatic life with long lasting effects |