SECTION 1: Identification

1.1. Identification

Product form : Mixture
Product name : Butter Flavor, Artificial F2619-2 (2014)
Product code : S9030-1

1.2. Recommended use and restrictions on use

No additional information available

1.3. Supplier

Shank's Extracts, Inc.
350 Richardson Drive
Lancaster, PA 17603
T 717-393-4441 - F 717-393-3148
www.shanks.com

1.4. Emergency telephone number

Emergency number : CHEMTREC: 1-800-424-9300

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS-US classification
Not classified according to the regulations of GHS HazCom 2012

2.2. GHS Label elements, including precautionary statements

GHS US labelling
No labelling applicable

2.3. Other hazards which do not result in classification

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

This mixture does not contain any substances to be mentioned according to the criteria of section 3.2 of HazCom 2012

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 affected person 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 (acute and delayed)

Potential adverse human health effects and symptoms : Based on available data, the classification criteria are not met.
Symptoms/effects : Not expected to present a significant hazard under anticipated conditions of normal use.
### 4.3. Immediate medical attention and special treatment, if necessary
No additional information available

### SECTION 5: Fire-fighting measures

#### 5.1. Suitable (and unsuitable) extinguishing media

<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Unsuitable extinguishing media</td>
<td>Do not use a heavy water stream.</td>
</tr>
</tbody>
</table>

#### 5.2. Specific hazards arising from the chemical

<table>
<thead>
<tr>
<th>Fire hazard</th>
<th>Combustible liquid.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Explosion hazard</td>
<td>May form flammable/explosive vapour-air mixture.</td>
</tr>
</tbody>
</table>

#### 5.3. Special protective equipment and precautions for fire-fighters

**Firefighting instructions**
Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the 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.

**For non-emergency personnel**
Evacuate unnecessary personnel.

**For emergency responders**
Equip cleanup crew with proper protection.

**Protective equipment**
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 vapours are flammable.

**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 vapour. No open flames. No smoking.

#### 7.2. Conditions for safe storage, including any incompatibilities

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

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

Butter Flavor, Artificial F2619-2 (2014)
No additional information available

#### 8.2. Appropriate engineering controls

No additional information available
8.3. Individual protection measures/Personal protective equipment

Personal protective equipment:
Avoid all unnecessary exposure.

Hand protection:
Wear protective gloves/protective clothing/eye protection/face protection. 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

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>Liquid</td>
</tr>
<tr>
<td>Colour</td>
<td>Colourless</td>
</tr>
<tr>
<td>Odour</td>
<td>butter-like</td>
</tr>
<tr>
<td>Odour threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>No data available</td>
</tr>
<tr>
<td>Melting point</td>
<td>No data available</td>
</tr>
<tr>
<td>Freezing point</td>
<td>No data available</td>
</tr>
<tr>
<td>Boiling point</td>
<td>No data available</td>
</tr>
<tr>
<td>Flash point</td>
<td>&gt; 100 °C</td>
</tr>
<tr>
<td>Relative evaporation rate (butylacetate=1)</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative vapour density at 20 °C</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative density</td>
<td>0.9891 - 1.0091</td>
</tr>
<tr>
<td>Solubility</td>
<td>No data available</td>
</tr>
<tr>
<td>Log Pow</td>
<td>No data available</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity, kinematic</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity, dynamic</td>
<td>No data available</td>
</tr>
<tr>
<td>Explosive limits</td>
<td>No data available</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>No data available</td>
</tr>
<tr>
<td>Oxidising properties</td>
<td>No data available</td>
</tr>
</tbody>
</table>

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 vapour-air mixture.

10.3. Possibility of hazardous reactions
Not established.

10.4. Conditions to avoid
10.5. Incompatible materials
Strong acids. Strong bases.

10.6. Hazardous decomposition products

SECTION 11: Toxicological information

11.1. Information on toxicological effects

| Acute toxicity (oral) | Not classified according to the regulations of GHS HazCom 2012 |
| Acute toxicity (dermal) | Not classified according to the regulations of GHS HazCom 2012 |
| Acute toxicity (inhalation) | Not classified according to the regulations of GHS HazCom 2012 |
| Skin corrosion/irritation | Not classified according to the regulations of GHS HazCom 2012 |
| Serious eye damage/irritation | Not classified according to the regulations of GHS HazCom 2012 |
| Respiratory or skin sensitisation | Not classified according to the regulations of GHS HazCom 2012 |
| Germ cell mutagenicity | Not classified according to the regulations of GHS HazCom 2012 |
| Carcinogenicity | Not classified according to the regulations of GHS HazCom 2012 |
| Reproductive toxicity | Not classified according to the regulations of GHS HazCom 2012 |
| STOT-single exposure | Not classified according to the regulations of GHS HazCom 2012 |
| STOT-repeated exposure | Not classified according to the regulations of GHS HazCom 2012 |
| Aspiration hazard | Not classified according to the regulations of GHS HazCom 2012 |
| Viscosity, kinematic | No data available |
| Potential adverse human health effects and symptoms | Based on available data, the classification criteria are not met. |
| Symptoms/effects | Not expected to present a significant hazard under anticipated conditions of normal use. |

SECTION 12: Ecological information

12.1. Toxicity
No additional information available

12.2. Persistence and degradability
Butter Flavor, Artificial F2619-2 (2014)
Persistence and degradability | Not established. |

12.3. Bioaccumulative potential
Butter Flavor, Artificial F2619-2 (2014)
Bioaccumulative potential | Not established. |

12.4. Mobility in soil
No additional information available

12.5. Other adverse effects
Other information | Avoid release to the environment. |

SECTION 13: Disposal considerations

13.1. Disposal methods
Product/Packaging disposal recommendations | Dispose in a safe manner in accordance with local/national regulations. |
Additional information | Handle empty containers with care because residual vapours are flammable. |
Ecology - waste materials | Avoid release to the environment. |
Butter Flavor, Artificial F2619-2 (2014)
Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

SECTION 14: Transport information

Department of Transportation (DOT)
In accordance with DOT
Other information : No supplementary information available.

Transport by sea

Air transport

SECTION 15: Regulatory information

15.1. US Federal regulations
All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory
This product or mixture is not known to contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

15.2. International regulations

CANADA

EU-Regulations

National regulations
No additional information available

15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

SECTION 16: Other information

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Other information : None.

Shanks Color Template

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