0890 – Cream Cheese Icing Flavor, Natural and Artificial
Safety Data Sheet
according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations
Date of issue: 05/09/2018   Version: 3

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

1.1. Product identifier
Product name: 0890 – Cream Cheese Icing Flavor, Natural and 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
LorAnn Oils, Inc.
4518 Aurelius Road
Lansing, MI 48910
Telephone: 1.800.862.8620

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)
Skin Irritant 2
Spec. target organ toxicity, single exposure 3
Eye irritant 2A
Skin Sens. 1
H315 Causes skin irritation.
H335 May cause respiratory irritation.
H319 Causes serious eye irritation.
H317 May cause an allergic skin reaction.

2.2. Label elements
GHS-US labeling
GHS label elements: The product is classified and labeled according to the Globally Harmonized System (GHS).
Hazard pictograms: 

\[ \text{GHS07} \]

Signal word (GHS-US): Warning
Hazard-determining components of labelling: Ethyl alcohol
                       ETHYL VANILLIN
                       ACETYL PROPIONYL

Hazard statements (GHS-US): Causes skin irritation
                            Causes serious eye irritation.
                            May cause an allergic skin reaction.
                            May cause respiratory irritation.

Precautionary statements (GHS-US): Avoid breathing dust/fume/gas/mist/vapors/spray
                                  Wear protective gloves/eye protection/face protection.
                                  Wash thoroughly after handling.
                                  Contaminated work clothing must not be allowed out of the workplace.
                                  Wash contaminated clothing before reuse.
                                  Use only outdoors or in a well-ventilated area.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
Specific treatment (see on this label).  
IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
Call a poison center/doctor if you feel unwell.  
If skin irritation or rash occurs: Get medical advice/attention.  
If eye irritation persists: Get medical advice/attention.  
If on skin: Wash with plenty of water.  
Take off contaminated clothing and wash it before reuse.  
Store locked up.  
Store in a well-ventilated place. Keep container tightly closed.  
Dispose of contents/container in accordance with local/regional/national/international regulations.

Classification system:  
NFPA ratings (scale 0-4)  
Health = 2  
Fire = 1  
Reactivity = 0  
HMIS-ratings (scale 0-4)  
Health = 2  
Fire = 1  
Reactivity = 0  

2.3. Other hazards  
Results of PBT and vPvB assessment  
PBT: Not applicable  
vPvB: Not applicable  

SECTION 3: Composition/information on ingredients:  
Description: Mixture of the substances listed below with non-hazardous additions.  

<table>
<thead>
<tr>
<th>Dangerous Components</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>56-81-5</td>
<td>glycerol</td>
</tr>
<tr>
<td>50-100%</td>
<td></td>
</tr>
<tr>
<td>64-17-5</td>
<td>Ethyl alcohol</td>
</tr>
<tr>
<td>25-50%</td>
<td>Flam. lip. 2, H225; Skin Irrit. 2, H315; STOT SE 3, H335; Eye Irrit. 2B, H320</td>
</tr>
<tr>
<td>121-32-4</td>
<td>Ethyl vanillin</td>
</tr>
<tr>
<td>≥0.1-&lt;2.5%</td>
<td>Acute Tox. 4, H302; Skin irrit. 2, H315; Eye irrit. 2A, H319; STOT SE 3 H335</td>
</tr>
<tr>
<td>121-33-5</td>
<td>Vanillin</td>
</tr>
<tr>
<td>≥0.1-&lt;2.5%</td>
<td>Acute Tox. 4, H302</td>
</tr>
<tr>
<td>600-14-6</td>
<td>Acetyl Propionyl</td>
</tr>
<tr>
<td>≥0.1-&lt;1%</td>
<td>Flam. Lip. 2, H225; STOT RE 2, H373; Eye Dam. 1, H318; Acute tox. 4, H332; Skin irrit. 2, H315; Skin sens. 1, H317; STOT SE 3, H335</td>
</tr>
</tbody>
</table>

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: Supply fresh air and to be sure call for a doctor. In case of unconsciousness place patient stably in side position for transportation.  
First-aid measures after skin contact: Immediately wash with water and soap and rinse thoroughly.  
First-aid measures after eye contact: Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.  
First-aid measures after ingestion: If symptoms persist consult doctor.
4.2. **Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

**SECTION 5 : Firefighting measures**

5.1. **Extinguishing media**

Suitable extinguishing media: CO\textsubscript{2}, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.  
Fight larger fires with water spray or alcohol resistant foam.

5.2. **Special hazards arising from the substance or mixture**

No further relevant information available.

5.3. **Advice for firefighters**

Protection during firefighting: No special measures required.

**SECTION 6 : Accidental release measures**

6.1. **Personal precautions, protective equipment and emergency procedures**

Not required

6.2. **Environmental precautions**

Dilute with plenty of water.  
Do not allow to enter sewers/surface or ground water.

6.3. **Methods and material for containment and cleaning up**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust)  
Ensure adequate ventilation.

6.4. **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.

**SECTION 7: Handling and storage**

7.1. **Precautions for safe handling**

Precautions for safe handling: No special precautions are necessary if used correctly.  
Information about protection against explosions and fires: No special measures required.

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

Storage: Store in tightly sealed containers in a cool, dry place that is well ventilated. Away from heat, spark, and open flame.

7.3. **Specific end use(s)**

No further relevant information available.

**SECTION 8: Exposure controls/personal protection**

8.1. **Control parameters**

Components with limit values that require monitoring at the workplace: The following constituents are the only constituents of the product which have a PEL, TL or other recommended exposure limits.  
At this time, the other constituents have no known exposure limits.

<table>
<thead>
<tr>
<th>56-81-5 glycerol</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>PEL</strong></td>
<td>Long-term value: 15* 5** mg/m\textsuperscript{3} mist; *total dust **respirable fraction</td>
</tr>
<tr>
<td><strong>TLV</strong></td>
<td>TLV withdrawn-insufficient data human occup. exp.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>64-17-5 ethyl alcohol</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>PEL</strong></td>
<td>Long-term value: 1900 mg/m\textsuperscript{3}, 1000 ppm</td>
</tr>
<tr>
<td><strong>REL</strong></td>
<td>Long-term value: 1900 mg/m\textsuperscript{3}, 1000 ppm</td>
</tr>
</tbody>
</table>
### 8.2. Exposure controls

#### Personal protective equipment

**General protective and hygienic measures**
- Wash hands before breaks and at the end of work.
- Keep away from foodstuffs, beverages and feed.
- Immediately remove all soiled and contaminated clothing.
- Avoid contact with the eyes.
- Avoid contact with the eyes and skin.

**Hand protection**
- 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 cannot be calculated in advance and has therefore to be checked prior to the application.

**Penetration time of glove material**
- The exact breakthrough time has to be found out by the manufacture of the protective gloves and has to be observed.

**Respiratory protection**
- In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

**Eye protection**
- Tightly sealed goggles

### 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>Color</td>
<td>According to product specification</td>
</tr>
<tr>
<td>Odor</td>
<td>Characteristic</td>
</tr>
<tr>
<td>Odor threshold</td>
<td>Not determined</td>
</tr>
<tr>
<td>pH</td>
<td>Not determined</td>
</tr>
<tr>
<td>Relative evaporation rate (butyl acetate=1)</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>172.4°F</td>
</tr>
<tr>
<td>Flash point</td>
<td>&gt;199.4 °F</td>
</tr>
<tr>
<td>Ignition temperature</td>
<td>752°F</td>
</tr>
<tr>
<td>Danger of explosion</td>
<td>Product does not present an explosion hazard</td>
</tr>
<tr>
<td>Explosion limits</td>
<td></td>
</tr>
<tr>
<td>Lower:</td>
<td>0.9 Vol %</td>
</tr>
<tr>
<td>Upper:</td>
<td>15 Vol %</td>
</tr>
<tr>
<td>Vapor pressure at 68°F</td>
<td>59 hPa (44.3 mm Hg)</td>
</tr>
<tr>
<td>Relative density</td>
<td>Not determined</td>
</tr>
<tr>
<td>Vapor density</td>
<td>Not determined</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>Not determined</td>
</tr>
<tr>
<td>Solubility</td>
<td>Fully miscible in water</td>
</tr>
<tr>
<td>Organic solvents</td>
<td>93.4%</td>
</tr>
</tbody>
</table>

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**64-17-5 ethyl alcohol**

| TLV                                           | Short-term value: 1880 mg/m³, 1000 ppm |

**121-33-5 vanillin**

| WEEL                                         | Long-term value: 10 mg/m³ |

Additional information: *The lists that were valid during the creation were used as basis.*
VOC content : 38.31%  
403.1g/l / 3.36 lb/gl  
Viscosity, dynamic : Not determined  
Solids content : 5.7%  

9.2. Other information
No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity
No further relevant information available.

10.2. Chemical stability

10.3. Possibility of hazardous reactions
No dangerous reactions known.

10.4. Conditions to avoid
No further relevant information available.

10.5. Incompatible materials
No further relevant information available.

10.6. Hazardous decomposition products
No dangerous decomposition products known.

10.7. Thermal decomposition / conditions to be avoided
No decomposition if used according to specifications.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Carcinogenic categories:

<table>
<thead>
<tr>
<th>IARC (International Agency for Research on Cancer)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>64-17-5 Ethyl alcohol</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>NTP (National Toxicology Program)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>None of the ingredients is listed.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>OSHA-Ca (Occupational Safety &amp; Health Administration)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>None of the ingredients is listed.</td>
<td></td>
</tr>
</tbody>
</table>

Skin corrosion/irritation : No irritant effect  
Primary irritant effect on the eye : Irritating effect  
Sensitization : Sensitization possible through skin contact  
The product shows the following dangers according to internally approved calculation methods for preparations : Irritant

SECTION 12: Ecological information

12.1. Toxicity

Aquatic toxicity : No further relevant information available  
Persistence and degradability : No further relevant information available

12.2. Behavior in environmental systems

Bio accumulative potential : No further relevant information available  
Mobility in soil : No further relevant information available
12.3. Additional Ecological Information

General notes:
Water hazard class 1 (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.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations: Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
Uncleaned packagings recommendation: Disposal must be made according to official regulations.
Recommended cleansing agent: Water, if necessary with cleansing agents.

SECTION 14: Transport information

<table>
<thead>
<tr>
<th>UN-Number</th>
<th>Not regulated</th>
</tr>
</thead>
<tbody>
<tr>
<td>DOT, ADN, IMDG, IATA</td>
<td></td>
</tr>
<tr>
<td>UN proper shipping name</td>
<td>Not regulated</td>
</tr>
<tr>
<td>DOT, ADN, IMDG, IATA</td>
<td></td>
</tr>
<tr>
<td>Transport hazard class(es)</td>
<td>not regulated</td>
</tr>
<tr>
<td>DOT, ADN, IMDG, IATA</td>
<td></td>
</tr>
<tr>
<td>Class</td>
<td></td>
</tr>
<tr>
<td>Packing Group</td>
<td>Not regulated</td>
</tr>
<tr>
<td>DOT, IMDG, IATA</td>
<td></td>
</tr>
<tr>
<td>Environmental hazards:</td>
<td></td>
</tr>
<tr>
<td>Marine pollutant:</td>
<td>No</td>
</tr>
<tr>
<td>Special precautions for user</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</td>
<td>Not applicable</td>
</tr>
<tr>
<td>UN “Model Regulation”</td>
<td>Not regulated</td>
</tr>
</tbody>
</table>

SECTION 15: Regulatory information

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

Sara

Section 355 (extremely hazardous substances):
None of the ingredients is listed

Section 313 (Specific toxic chemical listings):
None of the ingredients is listed.

TSCA (Toxic Substances Control Act)
All ingredients are listed.

TSCA new (21st Century Act) (Substances not listed)

Proposition 65

Chemicals known to cause cancer:
None of the ingredients is listed

Chemicals known to cause reproductive toxicity for females:
None of the ingredients is listed

Chemicals known to cause reproductive toxicity for males:
None of the ingredients is listed.
Chemicals known to cause developmental toxicity:

64-17-5 ethyl alcohol

Carcinogenic categories

EPA (Environmental Protection Agency)

None of the ingredients is listed.

TLV (Threshold Limit Value established by ACGIH)

64-17-5 ethyl alcohol

NIOSH-Ca (National Institute for Occupational Safety and Health)

None of the ingredients is listed

- **GHS label elements:** The product is classified and labelled according to the Globally Harmonized System (GHS).

- **Hazard pictograms:**

  ![GHS07](image)

- **Signal word:** Warning

- **Hazard-determining components of labelling:**
  - Ethyl alcohol
  - Ethyl VANILLIN
  - ACETYL PROPIONYL

- **Hazard statements:**
  - Causes skin irritation.
  - Causes serious eye irritation.
  - May cause an allergic skin reaction.
  - May cause respiratory irritation.

- **Precautionary statements:**
  - Avoid breathing dust/fume/gas/mist/vapors/spray
  - Wear protective gloves/eye protection/face protection.
  - Wash thoroughly after handling.
  - Contaminated work clothing must not be allowed out of the workplace.
  - Wash contaminated clothing before reuse.
  - Use only outdoors or in a well-ventilated area.
  - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Specific treatment (see on this label).
  - IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor if you feel unwell.
  - If skin irritation or rash occurs: Get medical advice/attention.
  - If eye irritation persists: Get medical advice/attention.
  - If on skin: Wash with plenty of water.
  - Take off contaminated clothing and wash it before reuse.
  - Store locked up.
  - Store in a well-ventilated place. Keep container tightly closed.
  - Dispose of contents/container in accordance with local/regional/national/international regulations. **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.
SECTION 16: Other information

DISCLAIMER OF LIABILITY The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

- **Relevant phrases**
  - H225 Highly flammable liquid and vapor.
  - H302 Harmful if swallowed.
  - H315 Causes skin irritation.
  - H317 May cause an allergic skin reaction
  - H318 Causes serious eye damage.
  - H319 Causes serious eye irritation.
  - H320 Causes eye irritation.
  - H332 Harmful if inhaled.
  - H335 May cause respiratory irritation.
  - H373 May cause damage to organs through prolonged or repeated exposure.

- **Department issuing SDS:** Environment protection department.
- **Date of preparation / last revision:** 05/09/2018
- **Abbreviations and acronyms:**
  - ADR: Accord European sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
  - IMDG: International Maritime Code for Dangerous Goods
  - DOT: US Department of Transportation
  - IATA: International Air Transport Association
  - ACGIH: American Conference of Governmental Industrial Hygienists
  - 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)
  - NFPA: National Fire Protection Association (USA)
  - HMI: Hazardous Materials Identification System (USA)
  - PBT: Persistent, Bioaccumulative and Toxic
  - vPvB: very Persistent and very Bio accumulative
  - NIOSH: National Institute for Occupational Safety
  - OSHA: Occupational Safety & Health
  - TLV: Threshold Limit Value
  - PEL: Permissible Exposure Limit
  - REL: Recommended Exposure Limit
  - Flam. Liq. 2: Flammable liquids, Hazard Category 2
  - Acute Tox. 4: Acute toxicity, Hazard Category 4
  - Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2
  - Eye Dam. 1: Serious eye damage/eye irritation – Category 1
  - Eye Irrit. 2A: Serious eye damage/eye irritation, Hazard Category 2A
  - Eye Irrit. 2B: Serious eye damage/eye irritation – Category 2B
  - Skin Sens. 1: Skin sensitisation – Category 1
  - STOT SE 3: Specific target organ toxicity – Single exposure, Category 3
  - STOT RE 2: Specific target organ toxicity – Repeated exposure, Category 2