1. Identification

1.1. Product identifier
Product Identity: Blue Juice® LavFluid
Alternate Names: Blue Juice® LavFluid, IceClear LF

1.2. Relevant identified uses of the substance or mixture and uses advised against
Intended use: Lavatory Fluid/Aircraft toilet deodorant.
Application Method: See Technical Data Sheet.

1.3. Details of the supplier of the safety data sheet
Company Name: Orison Marketing, LLC
4801 South Danville Drive
Abilene, TX 79602

Emergency
CHEMTREC (USA): (800) 424-9300
Emergency Telephone No.: (325) 692-1135 or US: 800-460-2403
Customer Service: Orison Marketing, LLC
US: 800-460-2403

2. Hazard(s) identification

2.1. Classification of the substance or mixture
No applicable GHS categories.

2.2. Label elements
Using the Toxicity Data listed in section 11 and 12 the product is labeled as follows.
No applicable GHS categories.

[Prevention]:
No GHS prevention statements

[Response]:
No GHS response statements

[Storage]:
No GHS storage statements

[Disposal]:
No GHS disposal statements
3. Composition/information on ingredients

<table>
<thead>
<tr>
<th>Ingredient/Chemical Designations</th>
<th>Weight %</th>
<th>GHS Classification</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glycerol</td>
<td>40 - 60</td>
<td>Not Classified</td>
<td>[1][2]</td>
</tr>
<tr>
<td>Proprietary deodorant / dye blend</td>
<td>&lt;1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Proprietary organic inhibitor</td>
<td>&lt;1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Water</td>
<td>Balance</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

In accordance with paragraph (i) of §1910.1200, the specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

[1] Substance classified with a health or environmental hazard.

4. First aid measures

4.1. Description of first aid measures

**General**
In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

**Inhalation**
Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. If unconscious place in the recovery position and obtain immediate medical attention. Give nothing by mouth.

**Eyes**
Irrigate copiously with clean water for at least 15 minutes, holding the eyelids apart and seek medical attention.

**Skin**
Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognized skin cleanser.

**Ingestion**
If swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

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

**Overview**
Inhalation: None known.

Eyes: May cause mild irritation.

Skin: Irritation unlikely.

Ingestion: Single doses of greater than 50 grams may have a laxative effect.
5. Fire-fighting measures

5.1. Extinguishing media
Dry chemical, foam, carbon dioxide, water fog

5.2. Special hazards arising from the substance or mixture
Hazardous decomposition: Oxides of Carbon

5.3. Advice for fire-fighters
Avoid breathing decomposition products. Fire fighters wear protective clothing and NIOSH approved respirator.

ERG Guide No. ----

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
Put on appropriate personal protective equipment (see section 8).

6.2. Environmental precautions
Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

6.3. Methods and material for containment and cleaning up
Flush to sanitary sewer with copious amounts of water. Conform to applicable federal, state and local regulations. Landfill or flush to drain. Material is biodegradable in waste treatment facility.

7. Handling and storage

7.1. Precautions for safe handling
Handle containers carefully to prevent damage and spillage.

7.2. Conditions for safe storage, including any incompatibilities
Incompatible materials: Strong oxidizing agents
Use only in well ventilated areas. Keep containers closed. Due to possible chemical incompatibilities, do not mix this product with competing lavatory fluids in storage tanks. Rinse tanks prior to changing to or from products.

7.3. Specific end use(s)
No data available.
8. Exposure controls and personal protection

8.1. Control parameters

Exposure

<table>
<thead>
<tr>
<th>CAS No.</th>
<th>Ingredient</th>
<th>Source</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>0000056-81-5</td>
<td>Glycerol</td>
<td>OSHA</td>
<td>TWA 15 mg/m³ (total) TWA 5 mg/m³ (resp)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ACGIH</td>
<td>TWA: 3 mg/m³ (respirable) 10 mg/m³ (mist)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>NIOSH</td>
<td>No established RELs</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Supplier</td>
<td>No Established Limit</td>
</tr>
</tbody>
</table>

Carcinogen Data

<table>
<thead>
<tr>
<th>CAS No.</th>
<th>Ingredient</th>
<th>Source</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>0000056-81-5</td>
<td>Glycerol</td>
<td>OSHA</td>
<td>Select Carcinogen: No</td>
</tr>
<tr>
<td></td>
<td></td>
<td>NTP</td>
<td>Known: No; Suspected: No</td>
</tr>
<tr>
<td></td>
<td></td>
<td>IARC</td>
<td>Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;</td>
</tr>
</tbody>
</table>

8.2. Exposure controls

Respiratory None required
Eyes Protective safety glasses recommended when splashing may occur.
Skin Rubber gloves (not required)
Engineering Controls Provide local exhaust.
Other Work Practices Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

See section 2 for further details. - [Prevention]:

9. Physical and chemical properties

Appearance Blue Liquid
Odor Pleasant
Odor threshold Not Measured
pH 6 - 8 (neat)
Melting point / freezing point -30°C/-22 F Winter Blend (0F/-18C Summer Blend)
Initial boiling point and boiling range > 212 F
Flash Point Not Measured
Evaporation rate (Ether = 1) < 1 (ether = 1)
Flammability (solid, gas) Not Applicable
Upper/lower flammability or explosive limits Lower Explosive Limit: Not Measured
                                        Upper Explosive Limit: Not Measured
10. Stability and reactivity

10.1. Reactivity
Hazardous Polymerization will not occur.

10.2. Chemical stability
Stable under normal circumstances.

10.3. Possibility of hazardous reactions
No data available.

10.4. Conditions to avoid
Keep away from oxidizing agents, excessive heat, and ignition sources.

10.5. Incompatible materials
Strong oxidizing agents

10.6. Hazardous decomposition products
Oxides of Carbon

11. Toxicological information

Acute toxicity – non toxic

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Oral LD50, mg/kg</th>
<th>Skin LD50, mg/kg</th>
<th>Inhalation Vapor LC50, mg/L/4hr</th>
<th>Inhalation Dust/Mist LC50, mg/L/4hr</th>
<th>Inhalation Gas LC50, ppm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glycerol - (56-81-5)</td>
<td>12,600.00, Rat - Category: NA</td>
<td>10,000.00, Rabbit - Category: NA</td>
<td>No data available</td>
<td>No data available</td>
<td>No data available</td>
</tr>
</tbody>
</table>

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).
12. Ecological information

12.1. Toxicity
Non-toxic, non-hazardous, safe for the environment.

Aquatic Ecotoxicity
Mixture Blue Juice LavFluid
The ecotoxicity of Sample 5330 (Blue Juice Lavfluid) to aquatic organisms was evaluated at two trophic levels. The sample had very low toxicity in that the EC50 was greater than 20,000 ppm or 2% by volume in all experiments. In small volumes such as the microcosms, rapid biodegradation of the test material could cause harm to organisms through oxygen depletion and proliferation of bacteria, but acute toxicity was very low.

<table>
<thead>
<tr>
<th>Protocol</th>
<th>Subject</th>
<th>Common Name</th>
<th>EC50</th>
<th>NOEC</th>
</tr>
</thead>
<tbody>
<tr>
<td>OECD 202</td>
<td><em>Daphnia magna</em></td>
<td>Water Flea</td>
<td>21,000 ppm</td>
<td>6250 ppm</td>
</tr>
<tr>
<td>OECD 203</td>
<td><em>Pimephales promelas</em></td>
<td>Fathead Minnow</td>
<td>23,000 ppm</td>
<td>6250 ppm</td>
</tr>
</tbody>
</table>

Glycerol

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>96 hr LC50 fish, mg/l</th>
<th>48 hr EC50 crustacea, mg/l</th>
<th>ErC50 algae, mg/l</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### 12.2. Persistence and degradability
Substance is readily biodegradable

### 12.3. Bioaccumulative potential
Not Measured

### 12.4. Mobility in soil
No data available.

### 12.5. Results of PBT and vPvB assessment
This product contains no PBT/vPvB chemicals.

### 12.6. Other adverse effects
No data available.

### 13. Disposal considerations

#### 13.1. Waste treatment methods
Observe all federal, state and local regulations when disposing of this substance.

### 14. Transport information

<table>
<thead>
<tr>
<th>DOT (Domestic Surface Transportation)</th>
<th>IMO / IMDG (Ocean Transportation)</th>
<th>ICAO/IATA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not Applicable</td>
<td>Not Regulated</td>
<td>Not Regulated</td>
</tr>
<tr>
<td>Not Regulated</td>
<td>Not Regulated</td>
<td>Not Regulated</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>DOT Hazard Class(es)</th>
<th>IMDG: Not Applicable</th>
<th>Air Class: Not Applicable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not Applicable</td>
<td>Not Applicable</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Not Applicable</td>
<td>Not Applicable</td>
<td>Not Applicable</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>IMDG</th>
<th>Marine Pollutant: No</th>
</tr>
</thead>
</table>

### 14.6. Special precautions for user
No further information
15. Regulatory information

Regulatory Overview
The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.

Toxic Substance Control Act (TSCA)
All components of this material are either listed or exempt from listing on the TSCA Inventory.

WHMIS Classification
Not Regulated

US EPA Tier II Hazards

<table>
<thead>
<tr>
<th>Hazard Category</th>
<th>Requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fire</td>
<td>No</td>
</tr>
<tr>
<td>Sudden Release of Pressure</td>
<td>No</td>
</tr>
<tr>
<td>Reactive</td>
<td>No</td>
</tr>
<tr>
<td>Immediate (Acute)</td>
<td>No</td>
</tr>
<tr>
<td>Delayed (Chronic)</td>
<td>No</td>
</tr>
</tbody>
</table>

EPCRA 311/312 Chemicals and RQs:
To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

EPCRA 302 Extremely Hazardous:
To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

EPCRA 313 Toxic Chemicals:
To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Carcinogens (>0.0%):
To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Developmental Toxins (>0.0%):
To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Female Repro Toxins (>0.0%):
To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Male Repro Toxins (>0.0%):
To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

New Jersey RTK Substances (>1%):
- Glycerol

Pennsylvania RTK Substances (>1%):
- Glycerol

16. Other information

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The full text of the phrases appearing in section 3 is: Not applicable

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