Foam-Lok FL 10K
Safety Data Sheet
according to the federal final rule of hazard communication revised on 2012 (HazCom 2012)
Date of issue: 10/16/2014 Version: 1.0

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

1.1. Product identifier
Product form : Mixture
Trade name : Foam-Lok FL 10K
Product code : FL - 10K

1.2. Relevant identified uses of the substance or mixture and uses advised against
Use of the substance/mixture : High density sprayed applied foam designed for use as a protective coating, primarily in the poultry industry.

1.3. Details of the supplier of the safety data sheet
Lapolla Industries, Inc.
15402 Vantage Parkway East, Ste. 322
Houston, Texas 77032
Tel: +1 281 219 4100, (877) 636-2648
Email: sds@lapolla.com

1.4. Emergency telephone number
Emergency number : CARECHEM (866) 928-0789

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture
GHS-US classification
Not classified

2.2. Label elements
GHS-US labelling
No labelling applicable

2.3. Other hazards
No additional information available

2.4. Unknown acute toxicity (GHS-US)
No data available

SECTION 3: Composition/information on ingredients

3.1. Substance
Not applicable

3.2. Mixture

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>%</th>
<th>GHS-US classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diethylene glycol</td>
<td>{CAS No}: 111-46-6</td>
<td>&lt; 0.105</td>
<td>Acute Tox. 4 (Oral), H302</td>
</tr>
</tbody>
</table>

SECTION 4: First aid measures

4.1. Description of first aid measures
First-aid measures general : In all cases of doubt, or when symptoms persist, seek medical attention.
First-aid measures after inhalation : Remove victim to fresh air and keep at rest in a position comfortable for breathing. In case of breathing difficulties administer oxygen. In case of irregular breathing or respiratory arrest provide artificial respiration. Seek medical advice.
First-aid measures after skin contact : Remove contaminated clothing immediately. Wash skin thoroughly with mild soap and water. Seek medical attention immediately.
First-aid measures after eye contact : Rinse immediately with plenty of water for 15 minutes. Contact lenses should be removed. Immediately get medical attention.
First-aid measures after ingestion : If swallowed, seek medical advice immediately and show this container or label. Rinse mouth immediately and drink plenty of water. Call a POISON CENTER or doctor/physician. Never give anything by mouth to an unconscious person. If unconscious, place in the recovery position and seek medical advice.
### 4.2. Most important symptoms and effects, both acute and delayed

| Symptoms/injuries after inhalation | Inhalation of mist or aerosol may cause irritation to nose and throat. |
| Symptoms/injuries after ingestion | Can occur: Gastrointestinal disturbance. |

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

No additional information available

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

| Unsuitable extinguishing media | None known. |

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

No additional information available

### 5.3. Advice for firefighters

| Protective equipment for firefighters | Use self-contained breathing apparatus and chemically protective clothing. Complete protective clothing. |
| Other information | Prevent entry to sewers and public waters. |

## SECTION 6: Accidental release measures

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

| General measures | Stop leak if safe to do so. Spills of this product present a serious slipping hazard. Avoid breathing mist or vapor. Avoid contact with skin, eyes and clothing. |

#### 6.1.1. For non-emergency personnel

| Protective equipment | Wear suitable protective clothing. Refer to section 8. |

#### 6.1.2. For emergency responders

| Protective equipment | Equip cleanup crew with proper protection. |
| Emergency procedures | Ensure adequate ventilation. |

### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Relevant water authorities should be notified of any large spillage to water course or drain.

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

| Methods for cleaning up | Take up liquid spill into inert absorbent material. Sweep or shovel spills into appropriate container for disposal. Ensure all national/local regulations are observed. Wash contaminated area with hot water. soap. Consult the appropriate authorities about waste disposal. |

### 6.4. Reference to other sections

Refer to sections 8 and 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

| Precautions for safe handling | Obtain special instructions before use. Avoid mixing with air or use for any purpose above atmospheric pressure. Product should not be mixed with air above atmospheric pressure for leak testing or any other purpose. Use dry nitrogen to transfer or leak test equipment pressurized with product. Keep away from open flames, hot surfaces and sources of ignition. Wear recommended personal protective equipment. Use appropriate respiratory protection. |
| Hygiene measures | Wash contaminated clothing prior to re-use. Always wash hands and face immediately after handling this product, and once again before leaving the workplace. Do not eat, drink or smoke when using this product. |

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

| Technical measures | Provide local exhaust or general room ventilation. A washing facility/water for eye and skin cleaning purposes should be present. |
| Storage conditions | Keep out of direct sunlight. Store in original container. Keep container tightly closed in a cool, well-ventilated place. Keep away from heat. Do not freeze. Product that is frozen and/or tending to sedimentation can be liquefied or homogenized by careful application of indirect heat (do not use flames or direct contact with a heat source). Protect from moisture. |
| Storage temperature | 21 - 26 °C ( 70 - 80 °F ) |
7.3. Specific end use(s)  
No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters  
No additional information available

8.2. Exposure controls  
Appropriate engineering controls : Provide local exhaust or general room ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.


Hand protection : Wear suitable gloves resistant to chemical penetration. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Eye protection : Tightly fitting safety goggles. Eye protection, including both chemical splash goggles and face shield, must be worn when possibility exists for eye contact due to spraying liquid or airborne particles.

Skin and body protection : protective clothing.

Respiratory protection : Full face piece respirator. Approved supplied air respirator.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid

Colour : Brown

Odour : Amine-like

Odour threshold : No data available

pH : >= 7

Relative evaporation rate (butyl acetate=1) : No data available

Melting point : No data available

Freezing point : No data available

Boiling point : No data available

Flash point : > 200 °C (closed cup)

Auto-ignition temperature : No data available

Decomposition temperature : No data available

Flammability (solid, gas) : No data available

Vapour pressure : No data available

Relative vapour density at 20 °C : No data available

Relative density : No data available

Density : 1.15 - 1.17 g/cm³ @ 25°C (Bulk Density)

Solubility : Water: Slightly soluble

Log Pow : No data available

Log Kow : No data available

Viscosity, kinematic : No data available

Viscosity, dynamic : 800 - 1000 mPa.s @ 23 °C

Explosive properties : No data available

Oxidising 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
No additional information available

10.2. Chemical stability
Stable under recommended condition.

10.3. Possibility of hazardous reactions
No additional information available

10.4. Conditions to avoid

10.5. Incompatible materials
No additional information available

10.6. Hazardous decomposition products
Carbon oxides (CO, CO2).

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

**Diethylene glycol (111-46-6)**

<table>
<thead>
<tr>
<th>Test</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 oral rat</td>
<td>12565 mg/kg</td>
</tr>
<tr>
<td>LD50 dermal rabbit</td>
<td>11890 mg/kg</td>
</tr>
<tr>
<td>ATE US (oral)</td>
<td>500.00000000 mg/kg bodyweight</td>
</tr>
</tbody>
</table>

Skin corrosion/irritation : Not classified

Based on available data, the classification criteria are not met pH: >= 7

Serious eye damage/irritation : Not classified

Based on available data, the classification criteria are not met pH: >= 7

Respiratory or skin sensitisation : Not classified

Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified

Based on available data, the classification criteria are not met

Carcinogenicity : Not classified

Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified

Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified

Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified

Based on available data, the classification criteria are not met

Aspiration hazard : Not classified

Based on available data, the classification criteria are not met

Symptoms/injuries after inhalation : Inhalation of mist or aerosol may cause irritation to nose and throat.

Symptoms/injuries after ingestion : Can occur: Gastrointestinal disturbance.

SECTION 12: Ecological information

12.1. Toxicity

**Diethylene glycol (111-46-6)**

<table>
<thead>
<tr>
<th>Test</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>LC50 fishes 1</td>
<td>75200 mg/l</td>
</tr>
<tr>
<td>(Exposure time: 96 h - Species: Pimephales promelas [flow-through])</td>
<td></td>
</tr>
<tr>
<td>EC50 Daphnia 1</td>
<td>84000 mg/l</td>
</tr>
<tr>
<td>(Exposure time: 48 h - Species: Daphnia magna)</td>
<td></td>
</tr>
</tbody>
</table>

12.2. Persistence and degradability
No additional information available
12.3. Bioaccumulative potential

<table>
<thead>
<tr>
<th>Diethylene glycol (111-46-6)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>BCF fish 1</td>
<td>100 - 180</td>
</tr>
<tr>
<td>Log Pow</td>
<td>-1.98 (at 25 °C)</td>
</tr>
</tbody>
</table>

12.4. Mobility in soil
No additional information available

12.5. Other adverse effects

Effect on ozone layer : No additional information available

Effect on the global warming : No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Product wastes can often be incinerated in approved facilities. Consult the appropriate authorities about waste disposal.

Additional information : Do not re-use empty containers. Do not dispose of waste into sewer. Do not cut, grind, drill, weld, reuse or dispose off containers unless adequate precautions are taken against these hazards. Container Disposal: Steel drums must be emptied and can be sent to a licensed drum reconditioner for reuse, a scrap metal dealer or an approved landfill. Refer to 40 CFR § 261.7 (residues of hazardous waste in empty containers). Decontaminate containers prior to disposal. Recommend crushing, puncturing or other means to prevent unauthorized use of used containers. Ensure all national/local regulations are observed.

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
Transport document description : 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

Diethylene glycol (111-46-6)
Listed on the United States TSCA (Toxic Substances Control Act) inventory

EPA TSCA Regulatory Flag : Y2 - Y2 - indicates an exempt polymer that is a polyester and is made only from reactants included in a specified list of low concern reactants that comprises one of the eligibility criteria for the exemption rule.

15.2. International regulations

CANADA

Diethylene glycol (111-46-6)
Listed on the Canadian DSL (Domestic Substances List)

WHMIS Classification : Class D Division 1 Subdivision B - Toxic material causing immediate and serious toxic effects

EU-Regulations
No additional information available

Classification according to Regulation (EC) No. 1272/2008 [CLP]
No additional information available
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Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]
No additional information available

15.2.2. National regulations
No additional information available

15.3. US State regulations
No additional information available

SECTION 16: Other information
Abbreviations and acronyms
- CAS - Chemical Abstracts Service
- CSR - Chemical Safety Report
- EC - European Community
- EEC - European Economic Community
- MSDS - Material Safety Data Sheet
- PBT - Persistent, Bioaccumulative and Toxic substance
- SDS - Safety Data Sheet
- STEL - Short-Term Exposure Limit
- TLV - Threshold Limit Value
- TWA - Time Weighted Average
- vPvB - Very Persistent and Very Bioaccumulative

Full text of H-phrases: see section 16:

<table>
<thead>
<tr>
<th>Acute Tox. 4 (Oral)</th>
<th>Acute toxicity (oral), Category 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>H302</td>
<td>Harmful if swallowed</td>
</tr>
</tbody>
</table>

SDS US (GHS HazCom 2012)

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