LPA 2800 – FOAM-LOK Resin – All Grades

1. Substance/Preparation and Company Identification

Company:
Lapolla Industries, Inc.
15402 Vantage Parkway East #322
Houston, Texas 77032
(281) 219 – 4100

24 Hour Emergency Response Information
CHEMTREC : (800) 424 – 9300

Chemical Family:
Synonyms:
Resin
Urethane System Resin Component, B – Component, B – Side, Polyol Resin

2. Composition/Information on Ingredients

<table>
<thead>
<tr>
<th>CAS Number</th>
<th>Content (W/W)</th>
<th>Chemical name</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>&lt; 80.00 %</td>
<td>Polyl</td>
</tr>
<tr>
<td></td>
<td>&lt; 10.00 %</td>
<td>Flame Retardant</td>
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<td></td>
<td>&lt; 02.00 %</td>
<td>Surfactant</td>
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<td></td>
<td>&lt; 05.00 %</td>
<td>Catalyst</td>
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<tr>
<td>460 – 73 – 1</td>
<td>&lt; 10.00 %</td>
<td>1,1,1,3,3-pentafluoropropane</td>
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</tbody>
</table>

3. Hazard Identification

Emergency Overview

CAUTION
May cause eye, skin, and respiratory tract irritation. Corrosive to skin.
Severely irritating to eyes, skin, and respiratory tract. Sensitizer.

Potential Health Effects

Primary Routes of Exposure
Routes of entry for solids or liquids include eye contact, skin contact, ingestion, and inhalation. Routes of entry for vapors include inhalation and eye contact.

Acute Toxicity
Ingestion may cause gastrointestinal disturbances.
Information on Fluorocarbons: At levels above the recommended exposure limit, the fluorocarbon acts as a weak narcotic. Acute overexposure causes tremors, confusion, irritation, suffocation, and may result in cardiac sensitization.
Health Hazards
Common irritation symptoms may include but not limited to: headache, nausea, nose and throat irritation – may result from overexposure.

Irritation
Irritating to respiratory system.

Information on Resin Blend: Contact with the eyes and skin may result in irritation.

Information on 2-dimethylaminoethanol: Contact with eyes and skin may result in severe irritation. Burns and permanent injury may result.

Repeated Dose Toxicity
No other known chronic effects.

4. First-Aid Measures

General Advice
Remove contaminated clothing.

If Inhaled
Remove the affected individual into fresh air and keep the person calm. Assist in breathing if necessary. Immediate medical attention required.

If on Skin
Wash affected areas thoroughly with soap and water. Immediate medical attention required.

If in Eyes
In case of contact with the eyes, rinse immediately for at least 15 minutes with plenty of water. Immediate medical attention required.

If Swallowed
Rinse mouth and then drink plenty of water. Induce vomiting. Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions. Immediate medical attention required.

5. Fire-Fighting Measures

Flash Point (Closed Cup): > 200 °C
Auto-Ignition: No data available.

Suitable Extinguishing Media
Water, dry extinguishing media, carbon dioxide, or foam.

Hazards during Fire-Fighting
No particular hazards known.

Protective Equipment for Fire-Fighting:
Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

6. Accidental Release Measures

Clean-Up
Spills should be contained, solidified, and placed in suitable containers for disposal.
7. Handling and Storage

Handling

General Advice
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.

Protection against Fire and Explosion
No explosion proofing necessary.

Storage

General Advice
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 direct sunlight. Keep in a cool, well-ventilated place. Avoid extreme heat. Store in an area to protect against freezing.

Storage Stability
Storage temperature: 70 - 80 °F.
Protect against moisture.
Store in unopened original containers in a cool and dry place.

8. Exposure Controls and Personal Protection

Advice on System Design
Provide local exhaust ventilation to control vapors/mists.

Personal Protective Equipment

Respiratory Protection
Wear a NIOSH-certified (or equivalent) organic vapor/particulate respirator, as needed.

Hand Protection
Chemical resistant protective gloves.

Eye Protection
If splashing hazard exists, wear face shield or tightly fitting safety goggles (chemical goggles).

General Safety and Hygiene Measures
Avoid contact with skin. Handle in accordance with good industrial hygiene and safety practice. Wear protective clothing as necessary to prevent contact. Avoid inhalation of vapors/mists. Wash soiled clothing immediately.

9. Physical and Chemical Properties

Form: Liquid
Odor: Amine-Like
Color: Dark Orange to Brown
pH Value: ≥ 7
Bulk Density: 9.60 – 9.83 Lbs/USg (25 °C)
Viscosity, Dynamic: 800 - 1,000 mPa.s (23 °C)
Miscibility with Water: Slightly Soluble
10. Stability and Reactivity

**Conditions to Avoid**
> 80 degrees Fahrenheit, moisture, direct sunlight, and excessive temperatures.

**Decomposition Products**
Hazardous decomposition products: carbon monoxide, carbon dioxide

**Hazardous Reactions**
The product is chemically stable.

**Thermal Decomposition**
No data available.

11. Toxicological Information
Not Applicable.

12. Ecological Information
Not Applicable.

13. Disposal Considerations

**Waste Disposal of Substance**
Incinerate in a licensed facility.
Dispose of in a licensed facility.
Do not discharge substance/product into sewer system.

**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.

14. Transport Information

**DOT Non-Bulk:** Non-Regulated
**IMDG:** Non-Regulated
**ICAO/IATA:** Non-Regulated

15. Regulatory information

**Federal Regulations**

**Registration Status**
TSCA, US: Listed
TSCA 12B: Listed

**OSHA Hazard Category**
No data available.

**SARA Hazard Categories (EPCRA 311 and 312)**
Immediate (Acute) Health Hazard: Yes
Delayed (Chronic) Health Hazard: No
Fire Hazard: No
Reactive Hazard: Yes
Sudden Release of Pressure Hazard: No
State Regulations

California Proposition 65 – Safe Drinking Water and Toxic Enforcement Act of 1986
This product contains no listed substances known to the State of California to cause cancer, birth defects, or other reproductive harm, at levels which would require a warning under this statute.

US Toxic Substance Control Act – 40 CFR § 720.30
All components of this product are on the TSCA inventory or are exempt from TSCA inventory requirements under 40 CFR 720.30.

CEPA – Domestic Substance List (DSL)
All substances contained in this product are listed on the Canadian Domestics Substance List (DSL) or are not required to be listed.

EINECS – European Inventory of Existing Commercial Chemical Substances
The components of this product are on the EINECS inventory or are exempt from inventory requirements.

16. Other Information

HMIS III rating

<table>
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<tr>
<th>Health</th>
<th>Flammability</th>
<th>Physical hazard</th>
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<td>1</td>
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</table>

HMIS uses a numbering scale ranging from 0 to 4 to indicate the degree of hazard. A value of zero means that the substance possesses essentially no hazard; a rating of four indicates high hazard.

Local Contact Information
1 – 888 – 4 – LAPOLLA (527 – 6552)

IMPORTANT: While the descriptions, designs, data, and information contained herein are guidance only because many factors may affect processing or application/use. We recommend that you make tests to determine the suitability of a product for your particular purpose prior to use. No warranties of any kind, either expressed or implied, including warranties of merchantability or fitness for a particular purpose, are made regarding products described or designs, data or information set forth, or that the products, designs, data, or information may be used without infringing the intellectual property rights of others. In no case shall the descriptions, information, data, or designs provided by consider a part of our terms and conditions of sale. Further, you expressly understand and agree that the descriptions, designs, data, and information furnished by Lapolla Industries, Inc. Hereunder are given gratis and Lapolla Industries, Inc. assumes no obligation or liability for the description, designs, data, and information given or results obtained. All such being given and accepted at your own risk. End of data sheet.