1. Product Identification

Product name: Flotation Foam, Part B
SDS Number: 3700B00
Product type: Polyol Resin Mixture
Recommended use of the chemical and restrictions on use: Polyurethane component intended for, but not limited to marine flotation.
Restrictions: None known

Manufacturer/Supplier information
Company name: SYSTEM THREE RESINS, INC.
Address: 8517 Commerce Place Dr NE
Lacey, WA 98516
United States
Telephone: 1-253-333-8118
Website: www.systemthree.com
Email: support@systemthree.com
Emergency Contact: CHEMTEL (U.S. and CANADA) 1-800-704-9215
CHEMTEL (Outside the U.S.) – Call Collect accepted +1-360-256-7365

2. Hazard(s) Identification

Classification of substance or mixture/Signal Word: No need for classification according to GHS criteria for this product.
Hazards not otherwise classified (HNOC): No specific dangers known, if the regulations/notes for storage and handling are considered.

3. Composition/Information On Ingredients

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS Number</th>
<th>Content (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tris(2-chloro-1-methylethyl)phosphate</td>
<td>13674-84-5</td>
<td>10 – 15%</td>
</tr>
<tr>
<td>Propane, 1,1,1,3,3-pentafluoro-</td>
<td>460-73-1</td>
<td>7 – 10%</td>
</tr>
<tr>
<td>Cyclohexyldimethylamine</td>
<td>98-94-2</td>
<td>0.3 – 1%</td>
</tr>
</tbody>
</table>

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section. Occupational exposure limits, if available, are listed in Section 8.

4. First-Aid Measures

Skin contact: Wash affected areas thoroughly with soap and water.
Eye contact: Wash affected eyes for at least 15 minutes under running water with eyelids held open. Immediate medical attention required.
Ingestion: Rinse mouth and then drink plenty of water. Do not induce vomiting. Immediate medical attention required.
Inhalation: Keep patient calm, remove to fresh air, seek medical attention.
Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician
No significant reaction of the human body to the product known. Hazards: No hazards anticipated.

Specific treatments
Treat according to symptoms (decontamination, vital functions), no known specific antidote.

5. Fire-Fighting Measures

Suitable extinguishing media
Water spray, dry powder, carbon dioxide, foam.

Unsuitable extinguishing media
None known.

Specific hazards arising from the chemical
No particular hazards known.

Hazardous decomposition products
Fire-fighters should be equipped with self-contained breathing apparatus and turn-out gear.

Further information
Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

6. Accidental Release Measures

Personal precautions
Wear suitable personal protective clothing and equipment. Proper PPE includes: disposable gloves, eye protection and skin protection.

Emergency procedures
Clear area. Ensure adequate ventilation.

Methods and materials for containment/cleanup
Spills should be contained, solidified, and placed in suitable containers for disposal.

Environmental precautions
Do no discharge into drains/surface waters/groundwater.

7. Handling and Storage

Precautions for safe handling
Ensure thorough ventilation of stores and work areas. Protect against moisture. 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.

Precautions/Recommendations for safe/proper storage
Segregate from foods and animal feeds. Segregate from acids. Segregate from oxidants.

Suitable materials for containers: Carbon steel (iron), High density polyethylene (HDPE), Low density polyethylene (LDPE), Stainless steel 1.4301 (V2).

Further information on storage conditions: No special precautions necessary. Avoid extreme heat. Store protected against freezing.

Storage stability:
Storage temperature: 16 – 27°C

8. Exposure Controls/Personal Protection
Occupational Exposure Limits
No occupational exposure limits known.

Appropriate engineering controls
Provide local exhaust ventilation to control vapours/mists.

Environmental exposure controls
None available.

Individual protection measures/Personal protective equipment
Eye/face protection
Tightly fitting safety goggles (chemical goggles). Wear face shield if splashing hazard exists.

Hand protection
Chemical resistant protective gloves should be worn to prevent all skin contact.

Skin protection
Standard work clothes and shoes.

Respiratory protection
Wear NIOSH-certified (or equivalent) organic vapour/particulate respirator as needed.

Special instructions for protection and hygiene
Avoid skin contact. Handle in accordance with good industrial hygiene and safety practice. Wear protective clothing as necessary to prevent contact. Avoid inhalation of vapours/mists. Wash soiled clothing immediately.

9. Physical and Chemical Properties

Chemical family
Polyol

Appearance
Dark liquid

Physical State
Form
Liquid
Color
Amber
Odor
Faint odor, amine-like

Density (Specific Gravity)
9.06 lb/USg (1.09) @ 24°C

Viscosity
350 mPa s @ 24°C

pH
>7.0

Melting point/freezing point
0°C The data given are those of the active ingredient

Initial boiling point and boiling range
29°C (760.000000 mmHg) The data given are those of the active ingredient

Flash point
>93°C, open cup

Evaporation rate
Value can be approximated from Henry’s Law Constant or vapor pressure

Flammability (solid, gas)
Not flammable

Upper/lower flammability limit (by volume)
Upper flammability limit (by volume)
For liquids not relevant for classification and labeling.

Lower flammability limit (by volume)
For liquids not relevant for classification and labeling. The lower explosion point may be 5-15 °C below the flash point.

Material VOC
Data not available

Vapor density
Not applicable

Relative density
1.22 @ 25°C

Solubility in water
Slightly soluble, dispersible when hot

Partition coefficient: n-octanol/water
Unspecified

Auto-ignition temperature
Unspecified

Decomposition temperature
No decomposition if stored and handled as prescribed/indicated.
10. Stability and Reactivity

Reactivity
None.

Chemical Stability
The product is stable if stored and handled as prescribed/indicated.

Possibility of hazardous reactions
No hazardous reactions if stored and handled as prescribed/indicated.

Conditions to avoid
Temperature: < 0 degrees Celsius

Incompatible materials
Acids, oxidizing materials, isocyanates

Hazardous decomposition products
Carbon monoxide, carbon dioxide, nitrogen oxide, hydrogen cyanide

Other hazards
None known.

11. Toxicological Information

Acute Health Hazard
No known acute effects.

Irritation/Corrosion
No irritation is expected under intended use and appropriate handling.

Sensitization
No applicable information available.

Mutagenicity
No applicable information available.

Carcinogenicity
No applicable information available.

Reproductive Toxicity
No applicable information available.

Teratogenicity
No applicable information available.

Specific target organ toxicity (single exposure)
No applicable information available.

Specific target organ toxicity (repeated exposure)
No applicable information available.

Aspiration hazard
No aspiration hazard expected.

Potential acute health effects
None known.

Symptoms related to the physical, chemical and toxicological characteristics
None known.

Delayed and immediate effects and also chronic effects from short and long term exposure
None known.

Potential chronic health effects

General
No applicable information available.

Carcinogenicity
No applicable information available.

Mutagenicity
No applicable information available.

Teratogenicity
No applicable information available.

Developmental effects
No applicable information available.

Fertility effects
No applicable information available.

Numerical measures of toxicity

Acute toxicity estimates (ATEmix)
Not available.

12. Ecological Information
**Ecotoxicity**

Assessment of aquatic toxicity: There is a high probability that the product is not acutely harmful to aquatic organisms. The product has not been tested. The statement has been derived from the properties of the individual components.

**Persistence and degradability**

Assessment biodegradation and elimination (H2O) Poorly biodegradable.

Elimination information Poorly biodegradable.

**Bioaccumulative Potential**

Does not significantly accumulate in organisms. Product has not been tested for bioaccumulative potential.

**Mobility in Soil**

Soil/water partition coefficient (KOC) Not available.

Other adverse effects Adsorption to solid soil phase is not expected.

### 13. Disposal Considerations

| Waste from residues/ unused products | Incinerate or dispose of in a licensed facility. Do not discharge substance/product into sewer system. |
| Contaminated packaging | DRUMS: Steel drums must be emptied and can be sent to a licensed drum re-conditioner for reuse, a scrap metal dealer or an approved landfill. Do not attempt to refill or clean containers since residue is difficult to remove. Under no circumstances should empty drums be burned or cut open with gas or electric torch as toxic decomposition products may be liberated. Do not reuse empty containers. |

### 14. Transport Information

The data provided in this section is for information only and may not be specific to your package size or mode of transport. You will need to apply the appropriate regulations to properly classify your shipment for transportation.

<table>
<thead>
<tr>
<th>Regulatory information</th>
<th>UN/NA number</th>
<th>Proper Shipping Name</th>
<th>Classes/*PG</th>
<th>Additional Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>DOT</td>
<td></td>
<td>Non-regulated</td>
<td></td>
<td></td>
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<tr>
<td>TDG</td>
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<td>Non-regulated</td>
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<tr>
<td>IMO/IMDG</td>
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<tr>
<td>IATA</td>
<td></td>
<td>Non-regulated</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*PG: Packing group

**Special precautions for user:** Transport within user’s premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

### 15. Regulatory Information

**UNITED STATES**

| U.S. Federal Regulations | United States – TSCA 12(b) – Chemical export notification: None Required. United States – TSCA 5(a)2 – Final significant new use rules: Not Listed. |
United States – TSCA 5(a)2 – Proposed significant new use rules: Not Listed.
United States – TSCA 5(e) – Substance consent order: Not listed.

Clean Air Act – Ozone Depleting Substances (ODS)
Not available.

Clean Air Act Section 112(b) Hazardous Air Pollutants (HAPs)
None.

California Prop. 65
WARNING: This product contains a chemical(s) known to the State of California to cause cancer.

EPA SARA 302 Extremely Hazardous Substances
None.

EPA SARA 302/304/311/312 Hazardous Chemicals
Non hazardous

SARA 313
None.

Form R – Reporting requirements
None.

CERCLA Hazardous substances
None.

United States inventory (TSCA 8b)
All components are listed or exempted.

CANADA

WHMIS (Canada)
Not available.

Canadian NPRI
None required.

CEPA Toxic substances
None required.

16. Other Information, Including Date of Preparation or Last Revision

HMIS Rating

<table>
<thead>
<tr>
<th>Health</th>
<th>Flammability</th>
<th>Physical Hazard</th>
</tr>
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<tbody>
<tr>
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</table>

Date of Preparation January 24, 2020
Date of Last Revision September 16, 2019
Revision # 5.0
More Information 1-253-333-8118
Prepared by System Three Resins Inc.

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