Material Safety Data Sheet

IDENTITY (As Used on Label and List)

SHELLGUARD

Section I

Manufacture’s Name
Perma-Chink Systems, Inc.

Emergency Telephone Number:
CHEMTREC 1-800-424-9300

Address (Number, Street, City, State, and ZIP code)
1605 Prosser Road

Telephone Number for Information:
865-524-7343

Knoxville, TN 37914

Date of Preparation
1/02/2015

Preparer’s Name
Sean Gahan

Signature of Preparer (optional)

Section II – Hazardous Ingredients/Identity Information

Hazardous Component (Specific Chemical Identity, Common Name(s)

<table>
<thead>
<tr>
<th>CAS #</th>
<th>OSHA / PEL</th>
<th>ACGIH TLV</th>
<th>Other Limit Recommended</th>
<th>% (optional)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Propylene Glycol</td>
<td>57-55-6</td>
<td>N/A</td>
<td>N/A</td>
<td>30-50</td>
</tr>
<tr>
<td>Polyethylene Glycol</td>
<td>25322-68-3</td>
<td>N/A</td>
<td>N/A</td>
<td>30-50</td>
</tr>
<tr>
<td>Disodium Octaborate Tetrahydrate</td>
<td>12280-03-4</td>
<td>5 mg/m³ (respirable dust)</td>
<td>10 mg/m³ (total dust)</td>
<td>20-30</td>
</tr>
</tbody>
</table>

Section III – Physical/Chemical Characteristics

Boiling Point:
> 369°F

Specific Gravity (H₂O = 1)
1.1 – 1.3

Vapor Pressure (mm Hg.)
125 mm Hg @ 100°F

Melting Point
% Volatile (Volume
> 1%

Vapor Density (Air = 1)
> 1

Evaporation Rate
(Butyl Acetate = 1) < 1

Solubility in Water
Miscible in water, alcohol, acetone, some glycol ethers; insoluble in petroleum hydrocarbons.

Appearance and Odor
Clear, odorless liquid

Section IV – Fire and Explosion Hazard Data

Flash Point (Method Used)
Non-flammable

Flammable Limitations
Non-Flammable

LEL
UEL

Extinguishing Media
Non-Flammable

NFPA Rating: Health = 1, Flammability = 1, Reactivity = 0

Special Fire Fighting Procedures
Non-Flammable

Unusual Fire and Explosion Hazards
Non-Flammable.

Section V – Reactivity Data

Stability
Unstable

Conditions to Avoid
Avoid extreme heat

Incompatibility (Materials to Avoid)
None known

Hazardous Decomposition or Byproducts
None known

Hazardous Polymerization
May Occur

Conditions to Avoid
None Known
Section VI – Health Hazard Data

Routes of Entry
Inhalation? N/A  Skin? N/A  Ingestion? Yes  Eye Contact? Yes

Health Hazards (Acute and Chronic)
Eye contact: May cause redness or irritation.  Skin Contact: N/A
Ingestion: May cause gastrointestinal distress.  Inhalation: N/A

Carcinogenicity? NO  NTP? NO  IARC Monographs? NO  OSHA Regulated? NO

Signs and Symptoms of Exposure:

Medical Conditions: Generally aggravated by exposure.  No adverse long term effects are known.

Emergency and First Aid Procedures:

Eye contact: Flush eyes immediately with clean water for at least 15 minutes.  If irritation persists, seek medical attention.
Ingestion: If irritation persists, seek medical attention.
Skin contact: N/A
Inhalation: N/A

Section VII – Precautions for Safe Handling and Use

Steps to be taken in Case Material is Released or Spilled
Soak up spill with absorbent material.

Waste Disposal Method
Dispose of material in accordance with all applicable Federal, State, and Local regulations.

Precautions to be taken in Handling and Storing
Store in original container.  Keep lid tightly closed.  Do not reuse container for other purposes.  KEEP OUT OF REACH OF CHILDREN.

Other Precautions
Read and observe all precautions on product label.

Section VIII – Control Measures

Respiratory Protection (Specify Type)
None required for normal use.

Ventilation
Local Exhaust
None normally required.
Mechanical (general)  Special

Protective Gloves
None required for normal use  Eye Protection
Safety glasses or Goggles.

Other Protective Clothing or Equipment
None required for normal use

Work/Hygenic Practices

The information contained herein is, to the best of Perma-Chink Systems, Inc. knowledge, accurate as of the data indicated. Since the information contained herein may be applied under conditions beyond our control and with which we may be unfamiliar, and since data made available subsequent to the date hereof may suggest modifications of the information, we do not assume responsibility for the results of its use. This information is furnished on the condition that the person receiving it shall make his own determination as to the suitability of the material for his particular purpose and on the condition that he assumes the risk of his use thereof.