

Material Safety Data Sheet

IDENTITY (As Used on Label and List)

SHELLGUARD



Section I

Manufacturer'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 1/02/07
Preparer's Name Sean Gahan	Signature of Preparer (optional)

Section II – Hazardous Ingredients/Identity Information

Hazardous Component (Specific Chemical Identity, Common Name(s))	CAS #	OSHA / PEL	ACGIH TLV	Other Limit Recommended	% (optional)
Propylene Glycol	57-55-6	N/A	N/A		30-50
Polyethylene Glycol	25322-68-3	N/A	N/A		30-50
Disodium Octaborate Tetrahydrate	12280-03-4	5 mg/m ³ (respirable dust) 15 mg/m ³ (total dust)	10 mg/m ³		20-30

Section III – Physical/Chemical Characteristics

Boiling Point: > 369°F	Specific Gravity (H ₂ O = 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			
Special Fire Fighting Procedures Non-Flammable			
NFPA Rating: Health = 1, Flammability = 1, Reactivity = 0			
Unusual Fire and Explosion Hazards Non-Flammable.			

Section V – Reactivity Data

Stability	Unstable		Conditions to Avoid
	Stable	✓	Avoid extreme heat
Incompatibility (Materials to Avoid) None known			
Hazardous Decomposition or Byproducts None known			
Hazardous Polymerization	May Occur		Conditions to Avoid
	Will Not Occur	✓	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

No adverse long term effects are known.

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.	Special
	Mechanical (general)	Other
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.