

Material Safety Data Sheet

IDENTITY (As Used on Label and List)

Shell-Guard RTU



Section I

Manufactured By: 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 8/17/09
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		
Polyethylene Glycol	25322-68-3	N/A	N/A		
Disodium Octaborate Tetrahydrate	12280-03-4	5 mg/m ³ (respirable dust) 15 mg/m ³ (total dust)	10 mg/m ³		10

Section III – Physical/Chemical Characteristics

Boiling Point: > 212°F	Specific Gravity (H ₂ O = 1) 1.0 – 1.1
Vapor Pressure (mm Hg.) = Water	Melting Point % Volatile (Volume) 10
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			
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	No	Skin	Yes	Ingestion	Yes	Eye Contact	Yes
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Health Hazards (Acute and Chronic)

Eye contact: May cause redness or irritation. Skin Contact: May cause skin irritation or redness

Ingestion: May cause gastrointestinal distress. Inhalation: N/A

Carcinogenicity	NO	NTP	NO	IARC Monographs	NO	OSHA Regulated	NO
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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: Hold eyes open and flush eyes immediately with clean water for at least 15-20 minutes. Remove contact lenses, if present, after the first five minutes, then continue rinsing eyes. Seek medical attention.

Ingestion: Immediately call poison control or seek medical attention. Drink 1-2 glasses of water if person is able to swallow. DO NOT INDUCE VOMITING.

Skin contact: Wash affected area with soap and warm water and rinse with clean water for 15-20 minutes. Remove grossly contaminated clothing including shoes. Launder before reuse.

Inhalation: Move person to fresh air. If person is not breathing, call 911 then start artificial respiration.

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. Protect product from freezing.

Section VIII – Control Measures

Respiratory Protection (Specify Type): For confined spaces a respirator with an organic removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-14G), or a NIOSH approved respirator with an organic vapor (OV) cartridge with any N, R, P or HE prefilter.

Ventilation	Local Exhaust None normally required.	Special
	Mechanical (general)	Other
Protective Gloves	Chemical resistant gloves	Eye Protection Safety glasses or Goggles.

Other Protective Clothing or Equipment

Long sleeve shirt, long pants, shoes plus socks

Work/Hygenic Practices : Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.

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.