

Safety Data Sheet

Permaseal

Section 1 Product Description

Product Name: Permaseal
 Recommended Use: Concrete sealer
 Supplier: ChemSystems, Inc. 10101 Genard Road Houston, TX 77041
 P: 800.545.9827 • F: 713.329.9065 www.chemsystemsinc.net
 Emergency Phone: CHEMTRAC 1-800-424-9300

Section 2 Hazard identification

Category 5 Acute Oral Toxicity

Signal Word:

Warning.

Hazard Statement:

H303 May be harmful if swallowed

Precautionary Statement:

Prevention:

P261 Avoid breathing mist.
 P280 Wear eye protection.
 P270 Do not eat, drink, or smoke while using this product.

Response:

P301+P314 IF SWALLOWED: Get medical advice if you feel unwell.
 P302+P353 IF ON SKIN: Rinse skin with water.
 P304+P340+P342+P313 IF INHALED: Remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Get medical advice.
 P305+ P351+P338+P314 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing. Get medical advice if you feel unwell.

Section 3 Composition/ Information on Ingredients

	<u>CAS #</u>	<u>OSHA PEL(TWA)</u>	<u>ACGIH(TLV-TWA)</u>	<u>Conc. (wt%)</u>
Acrylic polymers	Proprietary	Not established	Not established	20.0 – 22.0
Polyurethane polymers	Proprietary	Not established	Not established	5.0 – 7.0
2,2,4-Trimethyl-1,3-pentanediol	25265-77-4	Not established	Not established	1.0 – 1.4
Monoisobutylate				
Polyethylene	9002-88-4	5 ppm (resp. dust)	Not established	0.5 – 1.0
Dihydrogen Oxide	7732-18-5	N/A	N/A	70.0 – 80.0

Section 4 First Aid Measures

Emergency First Aid Procedures

Skin: Immediately flush with water for 15 minutes. If irritation develops, get medical attention.
Eyes: Flush with a gentle but large stream of clean water for 15 minutes, lifting the lower and upper eyelids occasionally. If irritation develops, get medical attention.
Inhalation: Move to fresh air and provide oxygen if breathing is difficult. Seek medical attention if irritation persists.
Ingestion: Immediately drink 1-2 glasses of water. If irritation develops, get medical attention. Do not administer anything by mouth to an unconscious person.

Section 5 Firefighting Procedures

Extinguishing Media: Dry chemical, CO₂, foam, water fog

Flash Point (TCC): N/A

Flammable Limits (% volume in air for solvents): LEL=N/A UEL=N/A

Special Fire Fighting Procedures: Firefighters wear NIOSH approved self-contained breathing apparatus. Cool containers exposed to fire with water.

Safety Data Sheet

Section 6 Spill or Leak Procedures

Steps to Take if Material is Released or Spilled: No health effects expected from the clean-up of the material if contact can be avoided. Follow the protection information found in Section 8 of this SDS. Absorb spillage in suitable inert material. Sweep or scrape up and containerize. Rinse affected area thoroughly with water.

Section 7 Handling and Storage

Normal Handling: Always use good industrial hygiene practices and safety guidelines.

Storage: Store material in its original container. Keep containers tightly closed when not in use.

Waste Disposal Method: Material is not considered a RCRA Hazardous Waste. Dispose of material in accordance with federal, state, and local guidelines.

Special Precautions: Avoid freezing. Store in a cool, dry place with adequate ventilation.

Section 8 Protection Information

Respiratory Protection: Use NIOSH-approved organic vapor respirator when exposure levels cannot be maintained below limits or the chance of mist inhalation is present.

Ventilation: Provide adequate mechanical ventilation to keep exposure levels below TLV's.

Protective Gloves: Wear impervious chemical gloves.

Eye Protection: Wear chemical safety glasses.

Other Protective Clothing or Equipment: As needed to prevent repeated/prolonged contact.

Work/Hygienic Practices: Use only in adequately-ventilated area unless recommended respiratory protection is used. Wash thoroughly with soap and water after handling and before eating, smoking, or using washroom. If clothes become contaminated, change to clean clothing and wash contaminated clothes before re-use.

Section 9 Physical Data

Appearance: Cloudy

Odor: Sweet

Odor Threshold: No data available

pH: 8.5-9.5

Freezing/Melting Point: Not determined

Boiling Point: 212° F

Flash Point: N/A

Evaporation Rate: Not determined

Flammability (solid, gas): Non-flammable liquid

Upper/lower Flammability: Not determined

Vapor Pressure: 2.3 kPa (@ 20°C)

Vapor Density: 0.62 (air=1)

Relative Density: 1.05 g/cc

Solubility: Miscible with water

Partition Coefficient: Not determined

Auto-ignition Temperature: Not determined

Decomposition temperature: Not determined

Viscosity: Not determined

Section 10 Reactivity Data

Reactivity: Stable.

Conditions to avoid: Strong oxidizers.

Hazardous decomposition products: Produces normal products of combustion

Hazardous Polymerization: Will not occur.

Section 11 Toxicity Data

Carcinogen: No.

Routes of Exposure: Inhalation, ingestion, eyes, and skin.

Acute Toxicity Lethal Doses (ATE):

LD50 (oral) No data available

LC50 (inhl) No data available

LD50 (skin) No data available

Safety Data Sheet

Health Hazards:

Acute: May cause moderate skin irritation. Inhalation of vapor/mist may irritate nose and throat. Ingestion of large quantities may cause drowsiness, dizziness, confusion, or loss of coordination. Direct eye contact may cause moderate irritation.

Chronic: Prolonged and repeated exposures can cause serious skin irritation. Repeated ingestion or swallowing large amounts may cause internal injury.

Skin Contact: Prolonged or repeated contact may cause mild irritation.

Eye Contact: Direct contact may cause mild eye irritation.

Inhalation: May cause mild irritation.

Ingestion: May cause nausea, abdominal discomfort.

Carcinogen: No.

Aggravation of Pre-existing Conditions: Persons with pre-existing skin, eye, or lung disorders may be more susceptible to the effects of the substance.

Section 12 Ecological Data

Acute Toxicity to Fish: No data available

Acute Toxicity to Aquatic Invertebrates: No data available

Toxicity to Aquatic Plants: No data available

Toxicity to Microorganisms: No data available

Chronic Toxicity to Fish: No data available

Chronic Toxicity to Aquatic Invertebrates: No data available

Persistence and Degradability: Not persistent in aquatic environments

Bioaccumulation Potential: This material does not bioaccumulate

Mobility in the Soil: Expected to move slowly in soil and water

Other Adverse Effects: None established

Section 13 Disposal Information

Waste Disposal Method: Material is not considered a RCRA Hazardous Waste. Dispose of material in accordance with all Federal, State, and Local regulations.

Section 14 Transport Information

Proper Shipping Name: Non-Regulated Material

Hazard Class: N/A

UN: N/A

Packing Group: N/A

Marine Pollutant: No

Section 15 Regulatory Information

SARA 311/312: No

CHEMICAL INVENTORIES

All ingredients of this product are listed or are exempt from listing on the U. S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

California Proposition 65: None

Canadian WHMIS Classification: Not classified

Section 16 Additional Information

The regulatory information provided is not intended to be comprehensive. Other Federal, State and Local regulations may apply to this material.

DISCLAIMER: Although the information and recommendations set forth herein are presented in good faith and believed to be correct as of the date hereof, manufacturer makes no representations as to the completeness or accuracy thereof.