

## Safety Data Sheet

Printing date 03/31/2015

Version Number 1.1

Reviewed on 03/31/2015

**1 Identification****Product identifier**

Trade name: **PERM-A-BARRIER LIQUID, PART B. PERM-A-BARRIER LIQUID**  
**TROWELGRADE PART B**

SDS ID Number: 60144

**Relevant identified uses of the substance or mixture and uses advised against**  
Specialty construction product. Not intended for other uses

**Details of the supplier of the safety data sheet****Manufacturer/Supplier:**

W.R. Grace & Co. -Conn.  
62 Whittemore Avenue  
Cambridge, MA 02140 USA

Grace Canada, Inc.  
294 Clements Road W.  
Ajax, Ontario L1S 3C6 Canada

**Information department:**

Environmental Health & Safety  
USA: +1-617-876-1400 (24 hours)  
+1-800-354-5414 (8AM - 5PM) Not functional within Massachusetts  
CAN: 1-905-683-8561 (24 hours)  
In Canada: +1-905-683-8561

**Transport Emergency:** Chemtrec +1-800-424-9300 (24 hours)

**2 Composition/information on ingredients****Chemical characterization: Mixtures**

**Hazardous components:** Not applicable.

**3 Hazard(s) identification****Classification of the substance or mixture**

The product is not classified according to the Globally Harmonized System (GHS).

**GHS label elements** Not applicable.

**Hazard pictograms** Not applicable.

Not applicable.

**NFPA ratings (scale 0 - 4)**



Health = 1  
Fire = 1  
Reactivity = 0

## Safety Data Sheet

Printing date 03/31/2015

Version Number 1.1

Reviewed on 03/31/2015

**Trade name: *PERM-A-BARRIER LIQUID, PART B. PERM-A-BARRIER LIQUID TROWELGRADE PART B***

**HMIS-ratings (scale 0 - 4)**

(Cont. from page 1)

HEALTH	1	Health = 1
FIRE	1	Flammability = 1
REACTIVITY	0	Reactivity = 0

**4 First-aid measures**

**General information:** Get medical advice/attention if you feel unwell.

**After inhalation:**

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

**After skin contact:**

Immediately wash contaminated skin with soap or mild detergent and water. If this chemical soaks clothing, immediately remove clothing and wash skin.

In case of skin contact, clean fingernails and wash skin with soap and water. If residue remains clean with waterless hand-cleanser or abrasive soap. Never use solvents.

If discomfort or irritation persists, consult a physician.

Remove contaminated clothing and wash before reuse.

**After eye contact:**

Rinse opened eye for several minutes under running water.

Rinse cautiously with water for several minutes.

Seek immediate medical advice.

**After swallowing:**

Wash out mouth with water

Do not induce vomiting; immediately call for medical help.

Never give anything by mouth to an unconscious person.

**5 Fire-fighting measures**

**Special hazards arising from the substance or mixture** No further relevant information available.

**Additional information** Collect contaminated fire fighting water separately. It must not enter the sewage system.

**6 Accidental release measures****Personal precautions, protective equipment and emergency procedures**

Wear protective equipment. Keep unprotected persons away.

**Methods and material for containment and cleaning up:**

Contain and/or absorb spill with inert material (i.e. sand, vermiculite) then place in a suitable container.

Sweep up spilled product into receptacles.

**Reference to other sections**

See Section 7 for information on safe handling.

(Cont. on page 3)

USGHS

## Safety Data Sheet

Printing date 03/31/2015

Version Number 1.1

Reviewed on 03/31/2015

**Trade name: *PERM-A-BARRIER LIQUID, PART B. PERM-A-BARRIER LIQUID TROWELGRADE PART B***

(Cont. from page 2)

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

## 7 Handling and storage

### Handling:

#### Precautions for safe handling

Open and handle receptacle with care.

Use all product within 30-60 minutes of mixing to avoid an exothermic reaction (release of heat and fumes) Reaction times may vary depending upon temperature and mixing conditions.

**Information about protection against explosions and fires:** No special measures required.

### Storage:

**Information about storage in one common storage facility:** No special measures required.

**Further information about storage conditions:** Keep receptacle tightly sealed.

**Specific end use(s)** No further relevant information available.

## 8 Exposure controls/personal protection

**Additional information about design of technical systems:** No further data; see item 7.

### Components with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

**Additional information:** The lists that were valid during the creation were used as basis.

### Work/Hygienic Practices:

Use good personal hygiene practices.

Carbon disulfide and other potentially harmful gases, Methanol vapors and fumes may evolve as a result of exothermic reactions ("hot product") when components are mixed. Carbon disulfide may be detected by odor at about 1 ppm, but the ability to smell fatigues (diminishes) rapidly therefore, odor does not serve as a good warning property.

If eye or respiratory irritation is present, or if a foul odor is detected, you may be experiencing exposure to Carbon disulfide and other organics. Leave the area immediately and seek fresh air.

### Personal protective equipment:

#### General protective and hygienic measures:

Avoid contact with the eyes and skin.

The usual precautionary measures for handling chemicals should be followed.

#### Breathing equipment:

Respiratory protection is not normally required. If a vapor or mist is created, use an approved dust/mist respirator (NIOSH P95).

#### Protection of hands:

Gloves should be worn to prevent skin contact and should be impermeable and resistant to the product.

#### Material of gloves

Gloves should be worn to prevent skin contact and should be impermeable and resistant to the product.

(Cont. on page 4)

USGHS

## Safety Data Sheet

Printing date 03/31/2015

Version Number 1.1

Reviewed on 03/31/2015

**Trade name: *PERM-A-BARRIER LIQUID, PART B. PERM-A-BARRIER LIQUID TROWELGRADE PART B***

(Cont. from page 3)

**Eye protection:**

Safety glasses with side shield protection.

Safety glasses with side shields should be worn to prevent contact due to splashing. Under high vapor mist concentrations, tightly sealed goggles should be worn.



A face shield should also be worn if there is potential exposure to splash or spray.

**Body protection:**

Protective work clothing

Use personal protective equipment as required.

Take off contaminated clothing and wash before reuse.

## 9 Physical and chemical properties

**General Information****Appearance:**

<b>Form:</b>	Liquid
<b>Color:</b>	According to product specification
<b>Odor:</b>	Characteristic
<b>Odour threshold:</b>	Not determined.

**pH-value (~) at 20 °C (68 °F):** 10

**Change in condition**

<b>Melting point/Melting range:</b>	Undetermined.
<b>Boiling point/Boiling range:</b>	Undetermined.
<b>Flash point:</b>	>200 °C (>392 °F)

**Flammability (solid, gaseous):** Not applicable.

**Decomposition temperature:** Not determined.

**Auto igniting:** Product is not selfigniting.

**Danger of explosion:** Product does not present an explosion hazard.

**Explosion limits:**

<b>Lower:</b>	Not determined.
<b>Upper:</b>	Not determined.
<b>VOC Content (max):</b>	Not determined.

**Vapor pressure:** Not determined.

**Density: (~) at 20 °C (68 °F)** 1.0 g/cm<sup>3</sup> (8.345 lbs/gal)

**Relative density** Not determined.

**Vapour density** Not determined.

**Evaporation rate** Not determined.

**Solubility in / Miscibility with**

**Water:** Not miscible or difficult to mix.

(Cont. on page 5)

USGHS

## Safety Data Sheet

Printing date 03/31/2015

Version Number 1.1

Reviewed on 03/31/2015

**Trade name: PERM-A-BARRIER LIQUID, PART B. PERM-A-BARRIER LIQUID  
TROWELGRADE PART B**

(Cont. from page 4)

**Partition coefficient (n-octanol/water):** Not determined.

**Viscosity:**

**Dynamic:** Not determined.

**Kinematic:** Not determined.

**Molecular weight** Not applicable.

**Other information** No further relevant information available.

## 10 Stability and reactivity

**Thermal decomposition:** No decomposition if used according to specifications.

**Possibility of hazardous reactions** No dangerous reactions known.

**Incompatible materials:** No further relevant information available.

**Hazardous decomposition products:** Carbon monoxide and carbon dioxide

**Additional information:** See section 7 for information on handling, storage and conditions to be avoided.

## 11 Toxicological information

**Acute toxicity:****Primary irritant effect:**

**on the skin:** No irritant effect.

**on the eye:** No irritating effect.

**Additional toxicological information:**

When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

**Carcinogenic categories**

**IARC (International Agency for Research on Cancer) Human Carcinogenicity:**  
Group 1- Positive, Group 2A- Probable, Group 2B- Possible, Group 3- Not Classifiable

9003-55-8 | Styrene-butadiene rubber

3

**NTP (National Toxicology Program)**

**K–Known to be carcinogenic, R–May reasonably be anticipated to be carcinogenic**

None of the ingredients is listed.

**OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

## 12 Ecological information

**Aquatic toxicity:** No further relevant information available.

**Persistence and degradability** No further relevant information available.

**Behavior in environmental systems:**

**Bioaccumulative potential** No further relevant information available.

(Cont. on page 6)

USGHS

## Safety Data Sheet

Printing date 03/31/2015

Version Number 1.1

Reviewed on 03/31/2015

**Trade name: *PERM-A-BARRIER LIQUID, PART B. PERM-A-BARRIER LIQUID TROWELGRADE PART B***

(Cont. from page 5)

**Additional ecological information:****General notes:** Not known to be hazardous to water.**13 Disposal considerations****Waste treatment methods** Comply with Federal, State and local regulations.**Recommendation:**

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

**Uncleaned packagings:****Recommendation:** Disposal must be made according to official regulations.**14 Transport information****UN-Number**

DOT, ADR, ADN, IMDG, IATA Not applicable.

**UN proper shipping name**

DOT, ADR, ADN, IMDG, IATA Not applicable.

**Transport hazard class(es)**

DOT, ADR, ADN, IMDG, IATA

Class Not applicable.

**Packing group**

DOT, ADR, IMDG, IATA Not applicable.

**Environmental hazards:**

Marine pollutant: No

**Special precautions for user** Not applicable.**Transport/Additional information:**

DOT

Remarks: Not Regulated.

**15 Regulatory information****SARA (Superfund Amendments and Reauthorization Act)****Section 302/304 (extremely hazardous substances):**

None of the ingredients is listed.

**Section 313 Reportable Ingredients (Chemicals present below reporting threshold are exempt):**

None of the ingredients is listed.

**SARA Section 312/Tier I & II Hazard Categories:**

Health Immediate (acute)	Yes
Health Delayed (chronic)	No

(Cont. on page 7)

USGHS

## Safety Data Sheet

Printing date 03/31/2015

Version Number 1.1

Reviewed on 03/31/2015

**Trade name: PERM-A-BARRIER LIQUID, PART B. PERM-A-BARRIER LIQUID  
TROWELGRADE PART B**

Flammable	No
Reactive	No
Pressure	No

(Cont. from page 6)

**North America Chemical Inventory Status****TSCA (Toxic Substances Control Act - United States):**

All ingredients are listed or exempt from listing unless otherwise noted below.

**CEPA (Canadian DSL):**

All ingredients are listed or exempt from listing unless otherwise noted below.

**Right to Know Ingredient Disclosure**

9003-55-8 Styrene-butadiene rubber

7732-18-5 Water

**California Proposition 65****Chemicals known to cause cancer:**

Styrene

1,3-Butadiene

**Chemicals known to cause reproductive toxicity for females:**

106-99-0 1,3-Butadiene

**Chemicals known to cause reproductive toxicity for males:**

106-99-0 1,3-Butadiene

**Chemicals known to cause developmental toxicity:**

106-99-0 1,3-Butadiene

**Carcinogenicity Categories****EPA (Environmental Protection Agency)**

None of the ingredients is listed.

**TLV-ACGIH (THE American Conference of Governmental Industrial Hygienists)****Human Carcinogen - A1 Confirmed, A2 Suspected, A3 Unknown Relevance, A4 Not Classifiable**

None of the ingredients is listed.

**NIOSH-Cancer (National Institute for Occupational Safety and Health)**

None of the ingredients is listed.

**Volatile Organic Compounds (VOC) reported per the Emission Standards. 75 g/l (As applied)****16 Other information**

"The data included herein are presented in accordance with various environment, health and safety regulations. It is the responsibility of a recipient of the data to remain currently informed on chemical hazard information, to design and update its own program and to comply with all national, federal, state and local laws and regulations applicable to safety, occupational health, right-to-know and environmental protection."

**Date of preparation / last revision** 03/31/2015 / 1.0**The first date of preparation** 04/18/2013**Number of revision times and the latest revision date** 1.1 / 03/31/2015

USGHS