

## 1 Identification

### Product identifier

Trade name: ***PERM-A-BARRIER® VPL 50RS***

SDS ID Number: 141

**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:

GCP Applied Technologies  
62 Whittemore Avenue  
Cambridge, MA 02140 USA

GCP 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)  
Email address: [msds.gcp@gcpat.com](mailto:msds.gcp@gcpat.com)

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

## 2 Hazard(s) identification

### Classification of the substance or mixture

Combustible liquid.  
Causes serious eye irritation.  
May cause an allergic skin reaction.  
May damage fertility or the unborn child.

**Label elements:** The product is classified and labeled according to the Globally Harmonized System (GHS)

#### Hazard pictograms



Danger

#### Hazard statements

Combustible liquid.  
Causes serious eye irritation.  
May cause an allergic skin reaction.  
May damage fertility or the unborn child.

#### Precautionary statements

Do not handle until all safety precautions have been read and understood.  
Keep away from flames and hot surfaces. – No smoking.  
Avoid breathing dust/fume/gas/mist/vapors/spray  
Wear protective gloves/protective clothing/eye protection/face protection.  
If on skin: Wash with plenty of water.

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If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 IF exposed or concerned: Get medical advice/attention.  
 If skin irritation or rash occurs: Get medical advice/attention.  
 If eye irritation persists: Get medical advice/attention.  
 Store in a well-ventilated place. Keep cool.

**Hazard description:**

NFPA ratings (scale 0 - 4)



HMIS-ratings (scale 0 - 4)

|            |   |                  |
|------------|---|------------------|
| HEALTH     | 2 | Health = *2      |
| FIRE       | 2 | Flammability = 2 |
| REACTIVITY | 0 | Reactivity = 0   |

**Other hazards**

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

**3 Composition/information on ingredients****Chemical characterization: Mixture**

Description: Mixture of the hazardous substance(s) listed below with additional nonhazardous ingredients.

**Hazardous components:**

|            |  |         |
|------------|--|---------|
| 64742-47-8 | Distillates (petroleum), hydrotreated light  | 1-<3%   |
| 2768-02-7  | Silane, ethenyltrimethoxy-                   | 1-<3%   |
| 1760-24-3  | N-(3-(trimethoxysilyl)propyl)ethylenediamine | 0.1-<1% |
| 22673-19-4 | Dibutyltin bis(acetylacetonate)              | 0.1-<1% |

Additional information: Non-hazardous ingredients may be listed in Section 15; Right-To-Know disclosure.

**4 First-aid measures****Description of first aid measures**

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

After inhalation: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

**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.

After eye contact: Rinse cautiously with water for several minutes.

**After swallowing:**

Rinse mouth.

Do NOT induce vomiting.

**Information for doctor:**

Most important symptoms and effects, both acute and delayed

Allergic reactions

Irritating to eyes.

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**Indication of any immediate medical attention and special treatment needed** No further relevant information available.

## 5 Fire-fighting measures

### Extinguishing media

**Suitable extinguishing agents:** CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fire with alcohol resistant foam.

**For safety reasons unsuitable extinguishing agents:** Water with full jet

### Special hazards arising from the substance or mixture

Formation of toxic gases is possible during heating or in case of fire.

Combustion products may include toxic gases such as carbon monoxide and smoke.

### Advice for firefighters

**Protective equipment:** Wear personal protective equipment.

**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.

**Environmental precautions:** Prevent seepage into sewage system, workpits and cellars.

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

Dispose of the collected material according to regulations.

### Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

## 7 Handling and storage

### Handling:

**Precautions for safe handling** Prevent formation of aerosols.

### Information about protection against explosions and fires:

Empty containers may retain hazardous residue, both liquid and vapor.

Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air).

### Conditions for safe storage, including any incompatibilities

#### Storage:

**Information about storage in one common storage facility:** Keep respirator available.

**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.

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**Control parameters****Components with limit values that require monitoring at the workplace:****64742-47-8 Distillates (petroleum), hydrotreated light**

|             |  |
|-------------|--|
| EL (Canada) | Long-term value: 200 mg/m <sup>3</sup><br>Skin |
|-------------|--|

**2768-02-7 Silane, ethenyltrimethoxy-**

|             |   |
|-------------|---|
| EV (Canada) | Short-term value: 60 mg/m <sup>3</sup> , 10 ppm |
|-------------|---|

**Additional information:**

The lists that were valid during the creation were used as basis.  
Canadian employers must consult the exposure limits in their province.

**Exposure controls****Personal protective equipment:**

**General protective and hygienic measures:** The usual precautionary measures for handling chemicals should be followed.

**Breathing equipment:**

Control exposure to ingredients with workplace control parameters if mentioned above. If no ingredients are listed, respiratory protection is generally not required.

If exposure limits are listed and may be exceeded, use approved respiratory protective equipment and filter type appropriate for the listed ingredients. (NIOSH, CEN, etc.).

**Protection of hands:** Gloves should be worn to prevent skin contact and should be impermeable and resistant to the product.

**Material of gloves:** Rubber or other impervious gloves should be worn to prevent skin contact.

**Eye protection:**

Safety glasses with side shield protection.

**Body protection:**

Use personal protective equipment as required.

Take off contaminated clothing.

**9 Physical and chemical properties****Information on basic physical and chemical properties****General Information****Appearance:**

|                        |                 |
|------------------------|-----------------|
| <b>Form:</b>           | Liquid          |
| <b>Color:</b>          | Black           |
| <b>Odor:</b>           | Characteristic  |
| <b>Odor threshold:</b> | Not determined. |

|                      |                 |
|----------------------|-----------------|
| <b>pH-value (~):</b> | Not determined. |
|----------------------|-----------------|

**Change in condition**

|                                     |               |
|-------------------------------------|---------------|
| <b>Melting point/Melting range:</b> | Undetermined. |
| <b>Boiling point/Boiling range:</b> | Undetermined. |
| <b>Flash point:</b>                 | 157 ° F       |

|                                       |                 |
|---------------------------------------|-----------------|
| <b>Flammability (solid, gaseous):</b> | Not applicable. |
|---------------------------------------|-----------------|

|                              |               |
|------------------------------|---------------|
| <b>Ignition temperature:</b> | Undetermined. |
|------------------------------|---------------|

|                                   |                               |
|-----------------------------------|-------------------------------|
| <b>Decomposition temperature:</b> | Not determined.               |
| <b>Auto igniting:</b>             | Product is not self-igniting. |

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|   |  |
|---|--|
| <b>Danger of explosion:</b>                     | Not determined.                            |
| <b>Explosion limits:</b>                        |  |
| <b>Lower:</b>                                   | Not applicable.                            |
| <b>Upper:</b>                                   | Not applicable.                            |
| <b>Vapor pressure:</b>                          | Not determined.                            |
| <b>Density: (~) at 20 °C (68 °F)</b>            | 1.4 g/cm <sup>3</sup> (11.7 lbs/gal)       |
| <b>Vapor density</b>                            | Not determined.                            |
| <b>Evaporation rate</b>                         | Not applicable.                            |
| <b>Solubility in / Miscibility with Water:</b>  | Not miscible or difficult to mix.          |
| <b>Partition coefficient (n-octanol/water):</b> | Not determined.                            |
| <b>Viscosity:</b>                               |  |
| <b>Dynamic:</b>                                 | Not determined.                            |
| <b>Kinematic:</b>                               | Not determined.                            |
| <b>Molecular weight</b>                         | Not determined.                            |
| <b>Other information</b>                        | No further relevant information available. |

**10 Stability and reactivity****Reactivity**

Stable under normal conditions.  
No further relevant information available.

**Chemical stability**

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

**Possibility of hazardous reactions**

No dangerous reactions known.  
No further relevant information available.

**Conditions to avoid** No further relevant information available.

**Incompatible materials:** Strong oxidizers.

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

**11 Toxicological information****Information on toxicological effects****Acute toxicity:****Primary irritant effect:**

**on the skin:** No irritating effect expected

**on the eye:** Causes serious eye irritation.

**inhalation:** No irritating effect expected

**Sensitization:** May cause an allergic skin reaction.

**Additional toxicological information:****Carcinogenic categories**

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

1333-86-4 | Carbon black

2B

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**NTP (National Toxicology Program)****K**–Known to be carcinogenic, **R**–May reasonably be anticipated to be carcinogenic

None of the ingredients are listed.

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

None of the ingredients are listed.

**12 Ecological information****Toxicity****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.**Mobility in soil** No further relevant information available.**Additional ecological information:****General notes:** Not known to be hazardous to water.**Results of PBT and vPvB assessment****PBT:** Not applicable.**vPvB:** Not applicable.**Other adverse effects** No further relevant information available.**13 Disposal considerations****Disposal methods:**

Consult all regulations (federal, state, provincial, local) or a qualified waste disposal firm when characterizing product for disposal. Dispose of waste in accordance with all applicable regulations.

**Recommendation:**

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

**Uncleaned packagings:****Recommendation:** Dispose of contents/container in accordance with local/regional/national/international regulations.**14 Transport information****UN-Number**

DOT, IMDG, IATA Not applicable.

**UN proper shipping name**

DOT, IMDG, IATA Not applicable.

**Transport hazard class(es)**

DOT, IMDG, IATA

Class Not applicable.

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**Packing group**

DOT, IMDG, IATA Not applicable.

**Environmental hazards:** Not applicable.**Special precautions for user** Not applicable.**Transport/Additional information:****DOT****Remarks:** Not Regulated.  
Not regulated for non-bulk over the road shipments.**15 Regulatory information****Other regulations in domestic and foreign countries****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:**

Physical Hazard - Flammable (gases, aerosols, liquids, or solids)

Health Hazard - Reproductive toxicity

Health Hazard - Respiratory or Skin Sensitization

Health Hazard - Serious eye damage or eye irritation

**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:**

1317-65-3 Calcium carbonate

Proprietary Plasticizer - NJTSN801416176

Proprietary Resin - NJTSN801416175

**California Proposition 65: (Substances <0.1% unless noted in Section 3)****Chemicals known to cause cancer:**

Carbon black

Quartz (SiO<sub>2</sub>)

Naphthalene

Ethylbenzene

Toluene

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

None of the ingredients are listed.

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

110-54-3 n-Hexane

**Chemicals known to cause developmental toxicity:**

67-56-1 Methanol

108-88-3 Toluene

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**Carcinogenicity Categories**

|   |
|---|
| <b>TLV-ACGIH (THE American Conference of Governmental Industrial Hygienists)</b><br><b>Human Carcinogen - A1 Confirmed, A2 Suspected, A3 Unknown Relevance, A4 Not Classifiable</b> |
|---|

|                                     |
|-------------------------------------|
| None of the ingredients are listed. |
|-------------------------------------|

|   |
|---|
| <b>NIOSH-Cancer (National Institute for Occupational Safety and Health)</b> |
|---|

|                          |
|--------------------------|
| 1333-86-4   Carbon black |
|--------------------------|

|   |
|---|
| <b>Volatile Organic Compounds (VOC) reported per the Emission Standards. 28 g/l</b> |
|---|

**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.

**Department issuing SDS:**

GCP Applied Technologies  
62 Whittemore Avenue  
Cambridge, MA 02140 USA  
USA: +1-617-876-1400 (24 hours)  
+1-800-354-5414

**Contact:**

**The first date of preparation** 05/22/2020

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