1 Identification

Product identifier
Trade name: Perm-A-Barrier Liquid Flashing

SDS ID Number: 2568

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

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

2 Hazard(s) identification

Classification of the substance or mixture
Causes serious eye irritation.

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

Hazard pictograms

GHS07

Warning

Hazard statements
Causes serious eye irritation.

Precautionary statements
Wash thoroughly after handling.
Wear eye protection / face protection.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical advice/attention.

NFPA ratings (scale 0 - 4)

Health = 1
Fire = 1
Reactivity = 0
(Cont. on page 2)
Trade name: *Perm-A-Barrier Liquid Flashing*

HMIS-ratings (scale 0 - 4)

<table>
<thead>
<tr>
<th>Health</th>
<th>Flammability</th>
<th>Reactivity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Health = 1</td>
<td>Flammability = 1</td>
<td>Reactivity = 0</td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>Hazardous components:</th>
</tr>
</thead>
<tbody>
<tr>
<td>471-34-1 Calcium carbonate; limestone powder</td>
</tr>
<tr>
<td>1333-86-4 Carbon black</td>
</tr>
<tr>
<td>13463-67-7 Titanium dioxide</td>
</tr>
<tr>
<td>Proprietary NJTSN801416094 MS Polymers</td>
</tr>
</tbody>
</table>

### 4 First-aid measures

**Description of 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.

**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** Irritating to eyes.

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

### 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.
Dispose contaminated material as waste according to section 13 of the SDS.

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: Avoid contact with eyes.

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

Conditions for safe storage, including any incompatibilities

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.

Control parameters

<table>
<thead>
<tr>
<th>Components with limit values that require monitoring at the workplace:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>471-34-1 Calcium carbonate; limestone powder</td>
<td></td>
</tr>
<tr>
<td>PEL (USA)</td>
<td>Long-term value: 15* 5** mg/m³</td>
</tr>
<tr>
<td>REL (USA)</td>
<td>Long-term value: 10* 5** mg/m³</td>
</tr>
<tr>
<td>TLV (USA)</td>
<td>TLV withdrawn</td>
</tr>
<tr>
<td>1333-86-4 Carbon black</td>
<td></td>
</tr>
<tr>
<td>PEL (USA)</td>
<td>Long-term value: 3.5 mg/m³</td>
</tr>
<tr>
<td>REL (USA)</td>
<td>Long-term value: 3.5* mg/m³</td>
</tr>
<tr>
<td>*0.1 in presence of PAHs; See Pocket Guide Apps. A+C</td>
<td></td>
</tr>
<tr>
<td>TLV (USA)</td>
<td>Long-term value: 3* mg/m³</td>
</tr>
<tr>
<td>*inhalable fraction</td>
<td></td>
</tr>
<tr>
<td>13463-67-7 Titanium dioxide</td>
<td></td>
</tr>
<tr>
<td>PEL (USA)</td>
<td>Long-term value: 15* mg/m³</td>
</tr>
<tr>
<td>REL (USA)</td>
<td>See Pocket Guide App. A</td>
</tr>
</tbody>
</table>
**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** Gloves should be worn to prevent skin contact and should be impermeable and resistant to the product.

**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:**

Use personal protective equipment as required.

Take off contaminated clothing.

---

**9 Physical and chemical properties**

**Information on basic physical and chemical properties**

<table>
<thead>
<tr>
<th>General Information</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Appearance:</strong></td>
<td></td>
</tr>
<tr>
<td>Form:</td>
<td>Paste</td>
</tr>
<tr>
<td>Color:</td>
<td>According to product specification</td>
</tr>
<tr>
<td>Odor:</td>
<td>Characteristic</td>
</tr>
<tr>
<td>Odor threshold:</td>
<td>Not determined.</td>
</tr>
<tr>
<td>pH-value (~):</td>
<td>Not applicable.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Change in condition</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Melting point/Melting range:</td>
<td>Undetermined.</td>
</tr>
<tr>
<td>Boiling point/Boiling range:</td>
<td>Undetermined.</td>
</tr>
<tr>
<td>Flash point:</td>
<td>Not applicable.</td>
</tr>
</tbody>
</table>

| Flammability (solid, gaseous):          | Not determined. |

| Decomposition temperature:             | Not determined. |
| Auto igniting:                         | Product is not self-igniting. |
| Danger of explosion:                   | Product does not present an explosion hazard. |

| Explosion limits:                      |  |
| Lower:                                 | Not determined. |
10 Stability and reactivity

**Reactivity** Stable under normal conditions.

**Chemical stability**

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

**Possibility of hazardous reactions** No further relevant information available.

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

**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

**Information on toxicological effects**

**Acute toxicity:**

**LD/LC50 values relevant for classification:**

<table>
<thead>
<tr>
<th>CAS Number</th>
<th>Substance</th>
<th>Route</th>
<th>LD50/LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>1333-86-4</td>
<td>Carbon black</td>
<td>Dermal</td>
<td>LD50</td>
</tr>
<tr>
<td>13463-67-7</td>
<td>Titanium dioxide</td>
<td>Oral</td>
<td>LD50</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Inhalation</td>
<td>LC50, 4h</td>
</tr>
</tbody>
</table>

**Primary irritant effect:**

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

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

**inhalation:** No irritating effect expected

**Additional toxicological information:**

<table>
<thead>
<tr>
<th>CAS Number</th>
<th>Substance</th>
<th>Route</th>
<th>NOAEC</th>
</tr>
</thead>
<tbody>
<tr>
<td>13463-67-7</td>
<td>Titanium dioxide</td>
<td>Inhalation</td>
<td>NOAEC</td>
</tr>
</tbody>
</table>
Carcinogenic categories

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

<table>
<thead>
<tr>
<th>CAS Number</th>
<th>Substance</th>
<th>Carcinogenicity</th>
</tr>
</thead>
<tbody>
<tr>
<td>1333-86-4</td>
<td>Carbon black</td>
<td>2B</td>
</tr>
<tr>
<td>13463-67-7</td>
<td>Titanium dioxide</td>
<td>2B</td>
</tr>
</tbody>
</table>

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

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

(Cont. on page 7)
Trade name: *Perm-A-Barrier Liquid Flashing*

<table>
<thead>
<tr>
<th>DOT, IMDG, IATA</th>
<th>Not applicable.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Transport hazard class(es)</td>
<td></td>
</tr>
<tr>
<td>DOT, IMDG, IATA</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Class</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Packing group</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>DOT, IMDG, IATA</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Environmental hazards:</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Special precautions for user</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Transport/Additional information:</td>
<td></td>
</tr>
<tr>
<td>DOT Remarks:</td>
<td>Not Regulated.</td>
</tr>
<tr>
<td>UN &quot;Model Regulation&quot;:</td>
<td>Not applicable.</td>
</tr>
</tbody>
</table>

### 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 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:**
- Proprietary Inorganic Mineral Blend
- Proprietary NJTSN801416094 MS Polymers
- 2768-02-7 trimethoxyvinylsilane

**California Proposition 65: (Substances <0.1% unless noted in Section 3)**

**Chemicals known to cause cancer:**
- Carbon black
- Titanium dioxide

**Chemicals known to cause reproductive toxicity for females:**
None of the ingredients is listed.

**Chemicals known to cause reproductive toxicity for males:**
None of the ingredients is listed.

**Chemicals known to cause developmental toxicity:**
None of the ingredients is listed.

**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**
- Carbon black

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* (Cont. on page 8)
Trade name: *Perm-A-Barrier Liquid Flashing*

<table>
<thead>
<tr>
<th>Substance</th>
<th>CAS Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Titanium dioxide</td>
<td>A4</td>
<td></td>
</tr>
<tr>
<td>NIOSH-Cancer (National Institute for Occupational Safety and Health)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1333-86-4 Carbon black</td>
<td></td>
<td></td>
</tr>
<tr>
<td>13463-67-7 Titanium dioxide</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Volatile Organic Compounds (VOC) reported per the Emission Standards, ≤10g/L

*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

**Date of preparation / last revision** 08/14/2017 / -

**The first date of preparation** 10/09/2015

**Number of revision times and the latest revision date** 1.0 / 08/14/2017