1 Identification

Product identifier

Trade name: Perm A Barrier NPL 10

SDS ID Number: 2347

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

Label elements:

Hazard pictograms Not applicable.
Not applicable.

Hazard statements Not applicable.

NFPA ratings (scale 0 - 4)

Health = 1
Fire = 0
Reactivity = 0

HMIS-ratings (scale 0 - 4)

Health = 1
Flammability = 0
Reactivity = 0

Other hazards

Results of PBT and vPvB assessment
PBT: Not applicable.
vPvB: Not applicable.
Trade name: Perm A Barrier NPL 10

3 Composition/information on ingredients

Chemical characterization: Mixture

| Hazardous components | 13463-67-7 Titanium dioxide | 1.0-3.0% |

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:
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.
Seek immediate medical advice.

After swallowing:
Rinse mouth.
Do NOT induce vomiting.
Never give anything by mouth to an unconscious person.

Information for doctor:

Most important symptoms and effects, both acute and delayed: No further relevant information available.

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:
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: Open and handle receptacle with care.
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>
</tr>
</thead>
<tbody>
<tr>
<td>13463-67-7 Titanium dioxide</td>
</tr>
<tr>
<td>PEL (USA)</td>
</tr>
<tr>
<td>total dust</td>
</tr>
<tr>
<td>REL (USA)</td>
</tr>
<tr>
<td>TLV (USA)</td>
</tr>
<tr>
<td>withdrawn from NIC</td>
</tr>
</tbody>
</table>

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

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.). Respiratory protection is not normally required. If a vapor or mist is created, use an approved dust/mist respirator (NIOSH N95).

Protection of hands: 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.

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>Liquid</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 determined</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>

<table>
<thead>
<tr>
<th>Flammability (solid, gaseous):</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Not applicable</td>
<td></td>
</tr>
</tbody>
</table>

| Decomposition temperature: |  |
| Auto igniting:              | Product is not selfigniting |
| Danger of explosion:        | Product does not present an explosion hazard |

| Explosion limits:           |  |
| Lower:                       | Not determined |
| Upper:                       | Not determined |
| VOC Content (max):           | Not determined |

| Vapor pressure:              |  |
| Density: (~)                 | Not determined |
| Relative density:            | Not determined |
| Vapor density                | Not determined |
| Evaporation rate             | Not determined |

| Solubility in / Miscibility with Water: |  |
| Not miscible or difficult to mix |

| 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

### Reactivity
Stable under normal conditions.

### Chemical stability

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

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

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

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

**Hazardous decomposition products:** Carbon monoxide and carbon dioxide
11 Toxicological information

Information on toxicological effects

Acute toxicity:

LD/LC50 values relevant for classification:

13463-67-7 Titanium dioxide
Oral LD50 > 5000 mg/kg (rat)

Primary irritant effect:

on the skin: No irritating effect expected
on the eye: No irritating effect expected
inhalation: No irritating effect expected

Additional toxicological information:

13463-67-7 Titanium dioxide
Inhalation NOAEC 10 mg/m³ (rat)

Carcinogenic categories

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

13463-67-7 Titanium dioxide 2B

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: 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

<table>
<thead>
<tr>
<th>UN-Number</th>
<th>DOT, IMDG, IATA</th>
<th>Not applicable.</th>
</tr>
</thead>
<tbody>
<tr>
<td>UN proper shipping name</td>
<td>DOT, IMDG, IATA</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Transport hazard class(es)</td>
<td>DOT, IMDG, IATA</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Packing group</td>
<td>DOT, IMDG, IATA</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Environmental hazards:</td>
<td>Marine pollutant:</td>
<td>No</td>
</tr>
<tr>
<td>Special precautions for user</td>
<td></td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Transport/Additional information:</td>
<td>Not classified as a dangerous good for transport by road, rail or air.</td>
<td></td>
</tr>
<tr>
<td>DOT Remarks:</td>
<td>Not Regulated.</td>
<td></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:**

None

**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:**

<table>
<thead>
<tr>
<th>Proprietary Polymer - NJTS-50090</th>
</tr>
</thead>
<tbody>
<tr>
<td>21645-51-2 Aluminium Trihydrate</td>
</tr>
<tr>
<td>7732-18-5 Water</td>
</tr>
</tbody>
</table>
### California Proposition 65

**Chemicals known to cause cancer:**
- Titanium dioxide
- Carbon black
- Quartz (SiO2)
- Formaldehyde

**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
  - Titanium dioxide [A4]

**NIOSH-Cancer (National Institute for Occupational Safety and Health)**
- 13463-67-7 Titanium dioxide

### Volatile Organic Compounds (VOC) reported per the Emission Standards.
- 32 g/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** 02/08/2017 / 1.0

**The first date of preparation** 12/23/2014

**Number of revision times and the latest revision date** 1.1 / 02/08/2017