

1 Identification

Product identifier

Trade name: ***Perm-A-Barrier VPL 50***

SDS ID Number: 2751

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

Combustible liquid.
May cause an allergic skin reaction.
May cause cancer. Route of exposure: Inhalation.
May damage fertility or the unborn child.

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

Hazard pictograms



GHS07 GHS08

Danger

Hazard statements

Combustible liquid.
May cause an allergic skin reaction.
May cause cancer. Route of exposure: Inhalation.
May damage fertility or the unborn child.

Precautionary statements

Avoid breathing dust/fume/gas/mist/vapors/spray
Keep away from flames and hot surfaces. – No smoking.
Wear protective gloves / eye protection / face protection.
Do not handle until all safety precautions have been read and understood.

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IF ON SKIN: Wash with plenty of water.
 If skin irritation or rash occurs: Get medical advice/attention.
 IF exposed or concerned: Get medical advice/attention.
 Store in a well-ventilated place. Keep cool.

NFPA ratings (scale 0 - 4)



Health = 2
 Fire = 2
 Reactivity = 0

HMIS-ratings (scale 0 - 4)



Health = *2
 Flammability = 2
 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:**

13463-67-7	Titanium dioxide	3.0-5.0%
64742-47-8	Distillate (petroleum), light hydrotreated	1.0-3.0%
2768-02-7	trimethoxyvinylsilane	1.0-3.0%
1760-24-3	N-(3-(trimethoxysilyl)propyl)ethylenediamine	0.1-1.0%
22673-19-4	Dibutyltin bis(acetylacetonate)	0.1-1.0%
25973-55-1	2-(2H-Benzotriazole-2-XY)-4,6-Ditertpentyl-phenol	0.1-0.3%
14808-60-7	Quartz (SiO ₂)	0.1-0.3%

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.**After swallowing:**

Rinse mouth.

Do NOT induce vomiting.

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Information for doctor:**Most important symptoms and effects, both acute and delayed** Allergic reactions**Indication of any immediate medical attention and special treatment needed** No further relevant information available.**5 Fire-fighting measures****Extinguishing media****Suitable extinguishing agents:** CO2. Do not use water.**For safety reasons unsuitable extinguishing agents:** Water**Special hazards arising from the substance or mixture** No further relevant information available.**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 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** No special precautions are necessary if used correctly.**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:** 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.

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Control parameters**Components with limit values that require monitoring at the workplace:****13463-67-7 Titanium dioxide**

PEL (USA)	Long-term value: 15* mg/m ³ *total dust
REL (USA)	See Pocket Guide App. A
TLV (USA)	Long-term value: 10 mg/m ³ withdrawn from NIC

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.

Store protective clothing separately.

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: Impervious gloves

Eye protection:

Safety glasses with side shield protection.



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

Form:	Liquid
Color:	According to product specification
Odor:	Characteristic
Odor threshold:	Not determined.

pH-value (-): Not determined.

Change in condition

Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	Undetermined.

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Flash point:	82°C (1: 3 °F)
Flammability (solid, gaseous):	Not applicable.
Decomposition temperature:	Not determined.
Auto igniting:	Product is not selfigniting.
Danger of explosion:	Not determined.
Explosion limits:	
Lower:	Not determined.
Upper:	Not determined.
VOC Content (max):	Not determined.
Vapor pressure:	Not determined.
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 further relevant information available.**Conditions to avoid** No further relevant information available.**Incompatible materials:** Strong oxidizers.**Hazardous decomposition products:**

Carbon monoxide and carbon dioxide

Other potentially hazardous products may also be formed.

* **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

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Sensitization: May cause an allergic skin reaction.**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

14808-60-7 | Quartz (SiO₂)

1

NTP (National Toxicology Program)**K–Known to be carcinogenic, R–May reasonably be anticipated to be carcinogenic**14808-60-7 | Quartz (SiO₂)

K

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.**Results of PBT and vPvB assessment****PBT:** Not applicable.**vPvB:** Not applicable.**Other adverse effects** No further relevant information available.**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, IMDG, IATA

Not applicable.

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UN proper shipping name
DOT, IMDG, IATA Not applicable.

Transport hazard class(es)
DOT, IMDG, IATA
Class Not applicable.

Packing group
DOT, IMDG, IATA Not applicable.

Environmental hazards: Not applicable.

Special precautions for user Not applicable.
Stowage Category A

Transport/Additional information:

DOT
Remarks: Non-bulk over the road shipments are not regulated.

UN "Model Regulation": Not applicable.

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:

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

Health Hazard - Carcinogenicity

Health Hazard - Reproductive toxicity

Health Hazard - Respiratory or Skin Sensitization

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
	Silyl Terminated Polyether
25322-69-4	Polypropylene glycol

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

Titanium dioxide

Quartz (SiO₂)**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:

67-56-1 | Methanol

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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

14808-60-7 | Quartz (SiO₂)**Volatile Organic Compounds (VOC) reported per the Emission Standards. 48g/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

Other Information:

There is sufficient information to conclude that the relative risk of lung cancer is increased in persons with silicosis. Therefore preventing the onset of silicosis will also reduce the cancer risk.

Date of preparation / last revision 12/20/2016 / -**The first date of preparation** 11/30/2016**Number of revision times and the latest revision date** 1.0 / 12/20/2016

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