

## 1 Identification

### Product identifier

Trade name: *Perm-A-Barrier Adhesive Primer*

SDS ID Number: 2567

**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

Highly flammable liquid and vapor.  
Harmful if swallowed.  
Causes skin irritation.  
Causes serious eye irritation.  
May cause genetic defects.  
May cause cancer.  
Suspected of damaging fertility or the unborn child.  
May cause drowsiness or dizziness.  
May cause damage to organs through prolonged or repeated exposure.  
May be fatal if swallowed and enters airways.

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

### Hazard pictograms



GHS02 GHS07 GHS08

Danger

### Hazard statements

Highly flammable liquid and vapor.

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 Causes skin irritation.  
 Causes serious eye irritation.  
 May cause genetic defects.  
 May cause cancer.  
 Suspected of damaging fertility or the unborn child.  
 May cause drowsiness or dizziness.  
 May cause damage to organs through prolonged or repeated exposure.  
 May be fatal if swallowed and enters airways.

**Precautionary statements**

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
 Avoid breathing dust/fume/gas/mist/vapors/spray  
 Wear protective gloves/protective clothing/eye protection/face protection.  
 If swallowed: Immediately call a poison center/doctor.  
 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 Rinse mouth.  
 Take off contaminated clothing and wash it before reuse.  
 If eye irritation persists: Get medical advice/attention.

**Hazard description:** Flammable**NFPA ratings (scale 0 - 4)**

Health = 3  
 Fire = 3  
 Reactivity = 0

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

Health = \*3  
 Flammability = 3  
 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:**

|            |   |         |
|------------|---|---------|
| 79-20-9    | methyl acetate                              | 50-100% |
| 98-56-6    | 4-chloro-alpha,alpha,alpha-trifluorotoluene | 10-20%  |
| 110-54-3   | n-Hexane                                    | 10-20%  |
| 110-82-7   | cyclohexane                                 | 5-10%   |
| 142-82-5   | Heptane                                     | 5-10%   |
| 64742-89-8 | Solvent naphtha (petroleum), light aliph.   | 5-10%   |

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

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## 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.

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.

Immediately call a doctor.

### Information for doctor:

#### Most important symptoms and effects, both acute and delayed

Harmful: may cause lung damage if swallowed.

Harmful if swallowed.

Irritating to eyes.

**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

During heating or in case of fire poisonous gases are produced.

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.

Use respiratory protective device against the effects of fumes/dust/aerosol.

**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.

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**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.

Flammable mixtures with air can be formed in emptied containers. Do not puncture, cut, drill, heat or weld uncleaned drums.

Avoid contact with eyes.

**Information about protection against explosions and fires:**

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

Use explosion-proof apparatus / fittings and spark-proof tools.

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:****Requirements to be met by storerooms and receptacles:** Store in a cool location.**Information about storage in one common storage facility:**

Use only in explosion protected area.

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.**Control parameters****Components with limit values that require monitoring at the workplace:****79-20-9 methyl acetate**

|           |   |
|-----------|---|
| PEL (USA) | Long-term value: 610 mg/m <sup>3</sup> , 200 ppm  |
| REL (USA) | Short-term value: 760 mg/m <sup>3</sup> , 250 ppm |
|           | Long-term value: 610 mg/m <sup>3</sup> , 200 ppm  |
| TLV (USA) | Short-term value: 757 mg/m <sup>3</sup> , 250 ppm |
|           | Long-term value: 606 mg/m <sup>3</sup> , 200 ppm  |

**110-54-3 n-Hexane**

|           |   |
|-----------|---|
| PEL (USA) | Long-term value: 1800 mg/m <sup>3</sup> , 500 ppm |
| REL (USA) | Long-term value: 180 mg/m <sup>3</sup> , 50 ppm   |

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|  |   |
|--|---|
| TLV (USA)  | Long-term value: 176 mg/m <sup>3</sup> , 50 ppm<br>Skin; BEI  |
| <b>110-82-7 cyclohexane</b>                      |   |
| PEL (USA)  | Long-term value: 1050 mg/m <sup>3</sup> , 300 ppm   |
| REL (USA)  | Long-term value: 1050 mg/m <sup>3</sup> , 300 ppm   |
| TLV (USA)  | Long-term value: 344 mg/m <sup>3</sup> , 100 ppm  |
| <b>142-82-5 Heptane</b>                          |   |
| PEL (USA)  | Long-term value: 2000 mg/m <sup>3</sup> , 500 ppm   |
| REL (USA)  | Long-term value: 350 mg/m <sup>3</sup> , 85 ppm<br>Ceiling limit value: 1800* mg/m <sup>3</sup> , 440* ppm<br>*15-min |
| TLV (USA)  | Short-term value: 2050 mg/m <sup>3</sup> , 500 ppm<br>Long-term value: 1640 mg/m <sup>3</sup> , 400 ppm               |
| <b>Ingredients with biological limit values:</b> |   |
| <b>110-54-3 n-Hexane</b>                         |   |
| BEI (USA)  | 0.4 mg/L<br>Medium: urine<br>Time: end of shift at end of workweek<br>Parameter: 2.5-Hexanedione without hydrolysis   |

**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.).

**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>          | Green           |
| <b>Odor:</b>           | Characteristic  |
| <b>Odor threshold:</b> | Not determined. |

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|   |   |
|---|---|
| <b>pH-value (~):</b>                            | Not determined.   |
| <b>Change in condition</b>                      |   |
| <b>Melting point/Melting range:</b>             | Undetermined.   |
| <b>Boiling point/Boiling range:</b>             | 56 °C (132.8 °F)  |
| <b>Flash point:</b>                             | -23 °C (-9.4 °F)  |
| <b>Flammability (solid, gaseous):</b>           | Not applicable.   |
| <b>Ignition temperature:</b>                    | 215 °C (419 °F)   |
| <b>Decomposition temperature:</b>               | Not determined.   |
| <b>Auto igniting:</b>                           | Product is not self-igniting.                           |
| <b>Danger of explosion:</b>                     | In use, may form flammable/explosive vapor-air mixture. |
| <b>Explosion limits:</b>                        |   |
| <b>Lower:</b>                                   | 1.2 Vol %<br>Not applicable.                            |
| <b>Upper:</b>                                   | 16 Vol %<br>Not applicable.                             |
| <b>VOC Content (max):</b>                       | Not applicable.   |
| <b>Vapor pressure:</b>                          | Not determined.   |
| <b>Density: (~) at 20 °C (68 °F)</b>            | 0.9 g/cm <sup>3</sup> (7.5 lbs/gal)                     |
| <b>Relative density</b>                         | Not determined.   |
| <b>Vapor density</b>                            | Not determined.   |
| <b>Evaporation rate</b>                         | Not determined.   |
| <b>Solubility in / Miscibility with Water:</b>  | Fully miscible.   |
| <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 applicable.   |
| <b>Other information</b>                        | 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:** Strong oxidizers.**Hazardous decomposition products:** Carbon monoxide and carbon dioxide\* **11 Toxicological information****Delayed and immediate effects and chronic effects from short or long term exposure**

May cause damage to organs through prolonged or repeated exposure.

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**Information on toxicological effects****Acute toxicity:****LD/LC50 values relevant for classification:****79-20-9 methyl acetate**

Dermal | LD50 | 6,970 mg/kg (rat)

**110-82-7 cyclohexane**

Dermal | LD50 | 12,705 mg/kg (rat)

**Primary irritant effect:****on the skin:** Causes skin irritation.**on the eye:** Causes serious eye irritation.**inhalation:** No irritating effect expected**Ingestion:**

Harmful: may cause lung damage if swallowed.

May cause damage to organs through prolonged or repeated exposure.

Harmful if swallowed.

**Additional toxicological information:**

The product can cause inheritable damage.

Suspected of damaging fertility or the unborn child.

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

None of the ingredients is listed.

**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.

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## \* 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 UN1133

**UN proper shipping name**

DOT Adhesives  
IMDG ADHESIVES (HEPTANES, CYCLOHEXANE), MARINE POLLUTANT  
IATA ADHESIVES

**Transport hazard class(es)****DOT**

Class 3 Flammable liquids  
Label 3

**IMDG**

Class 3 Flammable liquids  
Label 3

**IATA**

Class 3 Flammable liquids  
Label 3

**Packing group**

DOT, IMDG, IATA II

**Environmental hazards:**

Product contains environmentally hazardous substances: cyclohexane, Heptane

**Marine pollutant:**

Yes (DOT)  
Symbol (fish and tree)

**Special marking (ADR):**

Symbol (fish and tree)

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**Special precautions for user** Warning: Flammable liquids**Danger code (Kemler):** 30**EMS Number:** F-E,S-D**Stowage Category** A**Transport/Additional information:****DOT****Remarks:** Special marking with the symbol (fish and tree).**IMDG****Limited quantities (LQ)** 5L**Excepted quantities (EQ)** Code: E2

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 500 ml

**UN "Model Regulation":** UN 1133 ADHESIVES, 3, II, ENVIRONMENTALLY HAZARDOUS**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):**

|          |             |       |
|----------|-------------|-------|
| 110-54-3 | n-Hexane    | 10.5% |
| 110-82-7 | cyclohexane | 5.3%  |

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

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

Health Hazard - Carcinogenicity

Health Hazard - Acute toxicity (any route of exposure)

Health Hazard - Reproductive toxicity

Health Hazard - Skin Corrosion or Irritation

Health Hazard - Serious eye damage or eye irritation

Health Hazard - Specific target organ toxicity (single or repeated exposure)

Health Hazard - Aspiration Hazard

Health Hazard - Germ cell mutagenicity

**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.

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

None of the ingredients is listed.

**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****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.

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

None of the ingredients is listed.

**Volatile Organic Compounds (VOC) reported per the Emission Standards.**

If no g/L value is provided this product is not subject to above standard.

135 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

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Cambridge, MA 02140 USA

USA: +1-617-876-1400 (24 hours)

+1-800-354-5414

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