1 Identification

Product identifier
Trade name: **PERM-A-BARRIER MEMBRANE FLASHING PRODUCTS**

SDS ID Number: 2600I

Relevant identified uses of the substance or mixture, and uses advised against
Waterproofing.
Specialty construction product. Not intended for other uses

Details of the supplier of the safety data sheet
Manufacturer/Supplier:

W.R. Grace & Co. -Conn.
62 Whittemore Avenue
Cambridge, MA 02140 USA

Grace 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)

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).

Additional information:
SDS’s are not required for finished articles. nevertheless, the following information is provided to assist with safe use.

Label elements:
Hazard pictograms Not applicable.

Not applicable.

Hazard statements Not applicable.
NFPA ratings (scale 0 - 4)

Health = 1
Fire = 1
Reactivity = 0

HMIS-ratings (scale 0 - 4)

Health = 1
Flammability = 1
Reactivity = 0

(Cont. on page 2)
Trade name: **PERM-A-BARRIER MEMBRANE FLASHING PRODUCTS**

**Other hazards**
Contact with residue from adhesive may cause eye and skin irritation.
Skin absorption of residue from adhesive may be harmful.

**Results of PBT and vPvB assessment**
PBT: Not applicable.
vPvB: Not applicable.

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### 3 Composition/information on ingredients

**Chemical characterization:** Mixtures

**Hazardous components:** Not applicable.

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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:** No special measures required.

**After skin contact:** If skin irritation occurs, consult a doctor.

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

**After swallowing:** Rinse mouth.

**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.

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### 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.

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### 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:**
Sweep up spilled product into receptacles.
Pick up mechanically.

**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 eye and skin contact with residue from adhesive.
Release liners are slippery. Remove from work area immediately after membrane application.
Membrane is slippery when wet or covered with frost.
Release liners may cause slip and trip hazards.
Do not eat, drink or smoke when using this product.
Use only outdoors.

FOR PROFESSIONAL USE ONLY. KEEP OUT OF CHILDREN'S REACH.

Information about protection against explosions and fires:
Removal of release liner may generate a static electrical discharge (spark).

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

Components with limit values that require monitoring at the workplace:
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

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

Exposure controls

Personal protective equipment:

General protective and hygienic measures:
Avoid contact with the eyes and skin.
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.

Body protection: Use personal protective equipment as required.

### 9 Physical and chemical properties

<table>
<thead>
<tr>
<th>Information on basic physical and chemical properties</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>General Information</strong></td>
</tr>
<tr>
<td><strong>Appearance:</strong></td>
</tr>
<tr>
<td><strong>Form:</strong> Solid</td>
</tr>
<tr>
<td><strong>Color:</strong> According to product specification</td>
</tr>
<tr>
<td><strong>Odor:</strong> Characteristic</td>
</tr>
<tr>
<td><strong>Odour threshold:</strong> Not determined.</td>
</tr>
<tr>
<td><strong>pH-value (~):</strong> Not applicable.</td>
</tr>
<tr>
<td><strong>Change in condition</strong></td>
</tr>
<tr>
<td><strong>Melting point/Melting range:</strong> Undetermined.</td>
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<tr>
<td><strong>Boiling point/Boiling range:</strong> Undetermined.</td>
</tr>
<tr>
<td><strong>Flash point:</strong> Not applicable.</td>
</tr>
<tr>
<td><strong>Flammability (solid, gaseous):</strong> Not determined.</td>
</tr>
<tr>
<td><strong>Decomposition temperature:</strong> Not determined.</td>
</tr>
<tr>
<td><strong>Auto igniting:</strong> Product is not selfigniting.</td>
</tr>
<tr>
<td><strong>Danger of explosion:</strong> Product does not present an explosion hazard.</td>
</tr>
<tr>
<td><strong>Explosion limits:</strong></td>
</tr>
<tr>
<td><strong>Lower:</strong> Not determined.</td>
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<tr>
<td><strong>Upper:</strong> Not determined.</td>
</tr>
<tr>
<td><strong>VOC Content (max):</strong> Not determined.</td>
</tr>
<tr>
<td><strong>Vapor pressure:</strong> Not applicable.</td>
</tr>
<tr>
<td><strong>Density: (~)</strong> 1.1 LBS/CF</td>
</tr>
<tr>
<td><strong>Relative density</strong> Not determined.</td>
</tr>
<tr>
<td><strong>Vapour density</strong> Not applicable.</td>
</tr>
<tr>
<td><strong>Evaporation rate</strong> Not applicable.</td>
</tr>
<tr>
<td><strong>Solubility in / Miscibility with</strong></td>
</tr>
<tr>
<td><strong>Water:</strong> Not miscible or difficult to mix.</td>
</tr>
<tr>
<td><strong>Partition coefficient (n-octanol/water):</strong> Not determined.</td>
</tr>
<tr>
<td><strong>Viscosity:</strong></td>
</tr>
<tr>
<td><strong>Dynamic:</strong> Not applicable.</td>
</tr>
<tr>
<td><strong>Kinematic:</strong> Not applicable.</td>
</tr>
<tr>
<td><strong>Molecular weight</strong> Not applicable.</td>
</tr>
<tr>
<td><strong>Other information</strong> No further relevant information available.</td>
</tr>
</tbody>
</table>
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
Additional information: See section 7 for information on handling, storage and conditions to be avoided.

11 Toxicological information

Information on toxicological effects
Acute toxicity:
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:
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.

13 Disposal considerations

Waste treatment methods Comply with Federal, State and local regulations.

Recommendation:

Remove from packaging and dispose of in an environmentally sound manner.

Uncleaned packagings:

Recommendation: Disposal must be made according to official regulations.

14 Transport information

<table>
<thead>
<tr>
<th>UN-Number</th>
<th>DOT, ADR, ADN, IMDG, IATA</th>
<th>Not applicable.</th>
</tr>
</thead>
<tbody>
<tr>
<td>UN proper shipping name</td>
<td>DOT, ADR, ADN, IMDG, IATA</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Transport hazard class(es)</td>
<td>DOT, ADR, IMDG, IATA</td>
<td>Class</td>
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<tr>
<td></td>
<td>ADN</td>
<td>ADN/R Class:</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></td>
<td>Not Regulated.</td>
</tr>
<tr>
<td>UN &quot;Model Regulation&quot;:</td>
<td></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 Immediate (acute)                    Yes
Health Delayed (chronic)                     No
Flammable                                   No
Reactive                                     No
Pressure                                     No

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

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

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
None of the ingredients is listed.

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.

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:

W.R. Grace & Co. -Conn.
62 Whittemore Avenue
Cambridge, MA 02140 USA
Trade name: **PERM-A-BARRIER MEMBRANE FLASHING PRODUCTS**

USA: +1-617-876-1400 (24 hours)
+1-800-354-5414

Other Information:

Date of preparation / last revision 10/13/2015 / -

The first date of preparation 10/09/2015

Number of revision times and the latest revision date 1.0 / 10/13/2015