1 Identification

Product identifier
Trade name: WRDA PAVE 17
SDS ID Number: 2504

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)

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 = 1
Reactivity = 0

HMIS-ratings (scale 0 - 4)

Health = 1
Flammability = 1
Reactivity = 0
Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.
vPvB: Not applicable.

3 Composition/information on ingredients

Chemical characterization: Mixtures

<table>
<thead>
<tr>
<th>Hazardous components:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>102-71-6 Triethanolamine</td>
<td>2.0-5.0%</td>
</tr>
</tbody>
</table>

Additional information: For the wording of the listed hazard phrases refer to section 16.

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.

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:
Contain and/or absorb spill with inert material (i.e. sand, vermiculite) then place in a suitable container.
Sweep up spilled product into receptacles.
7 Handling and storage

Handling:

Precautions for safe handling: No special precautions are necessary if used correctly.

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

Components with limit values that require monitoring at the workplace:

<table>
<thead>
<tr>
<th>Component</th>
<th>Limit Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>102-71-6 Triethanolamine</td>
<td>Long-term value: 5 mg/m³</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:
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.

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

<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>Appearance:</td>
</tr>
<tr>
<td>Form: Liquid</td>
</tr>
<tr>
<td>Color: Dark brown</td>
</tr>
<tr>
<td>Odor: Characteristic</td>
</tr>
<tr>
<td>Odor threshold: Not determined.</td>
</tr>
<tr>
<td><strong>pH-value (~) at 20 °C (68 °F):</strong> 7</td>
</tr>
<tr>
<td><strong>Change in condition</strong></td>
</tr>
<tr>
<td>Melting point/Melting range: Undetermined.</td>
</tr>
<tr>
<td>Boiling point/Boiling range: Undetermined.</td>
</tr>
<tr>
<td>Flash point: Not applicable.</td>
</tr>
<tr>
<td><strong>Flammability (solid, gaseous):</strong> Not applicable.</td>
</tr>
<tr>
<td><strong>Decomposition temperature:</strong> Not determined.</td>
</tr>
<tr>
<td>Auto igniting: Product is not selfigniting.</td>
</tr>
<tr>
<td>Danger of explosion: Product does not present an explosion hazard.</td>
</tr>
<tr>
<td><strong>Explosion limits:</strong></td>
</tr>
<tr>
<td>Lower: Not determined.</td>
</tr>
<tr>
<td>Upper: Not determined.</td>
</tr>
<tr>
<td>VOC Content (max): Not determined.</td>
</tr>
<tr>
<td><strong>Vapor pressure:</strong> Not determined.</td>
</tr>
<tr>
<td>Density: (~) at 20 °C (68 °F) 1.2 g/cm³ (10.014 lbs/gal)</td>
</tr>
<tr>
<td>Relative density Not determined.</td>
</tr>
<tr>
<td>Vapor density Not determined.</td>
</tr>
<tr>
<td>Evaporation rate Not determined.</td>
</tr>
<tr>
<td><strong>Solubility in / Miscibility with</strong></td>
</tr>
<tr>
<td>Water: 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>Dynamic: Not determined.</td>
</tr>
<tr>
<td>Kinematic: Not determined.</td>
</tr>
<tr>
<td>Molecular weight Not applicable.</td>
</tr>
<tr>
<td><strong>Other information</strong></td>
</tr>
<tr>
<td>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:

<table>
<thead>
<tr>
<th>LD/LC50 values relevant for classification:</th>
</tr>
</thead>
<tbody>
<tr>
<td>102-71-6 Triethanolamine</td>
</tr>
<tr>
<td>Oral LD50</td>
</tr>
<tr>
<td>5300 mg/kg (guinea pig)</td>
</tr>
<tr>
<td>6400 mg/kg (rat - male)</td>
</tr>
<tr>
<td>Dermal LD50</td>
</tr>
<tr>
<td>&gt;10000 mg/kg (rabbit)</td>
</tr>
<tr>
<td>LC50, 96h</td>
</tr>
<tr>
<td>11800 mg/l (fish)</td>
</tr>
</tbody>
</table>

Primary irritant effect:

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

Additional toxicological information:

| NOEC/NOEL | 16 mg/l (crustaceans) (Chronic NOEC) |

Carcinogenic categories

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

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:

<table>
<thead>
<tr>
<th>Compound</th>
<th>EC50, 48h (daphnia magna)</th>
<th>EC50, 72h (algae)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Triethanolamine</td>
<td>609.88 mg/l</td>
<td>512 mg/l</td>
</tr>
</tbody>
</table>

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:

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, ADR, ADN, IMDG, IATA Not applicable.

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

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

Packing group
DOT, ADR, IMDG, IATA Not applicable.
## Environmental hazards:
- Marine pollutant: No
- Special precautions for user: Not applicable.

## Transport/Additional information:
- DOT Remarks: Not Regulated.
- UN "Model Regulation": Not applicable.

### 15 Regulatory information

#### SARA (Superfund Amendments and Reauthorization Act)
- 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.

#### Right to Know Ingredient Disclosure:
- 8061-52-7 Calcium lignin sulfonate
- 7732-18-5 Water

#### 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:
  - 67-56-1 Methanol

### 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
  - Triethanolamine

(Cont. on page 8)
Trade name: **WRDA PAVE 17**

<table>
<thead>
<tr>
<th>NIOSH-Cancer (National Institute for Occupational Safety and Health)</th>
</tr>
</thead>
<tbody>
<tr>
<td>None of the ingredients is listed.</td>
</tr>
</tbody>
</table>

Volatile Organic Compounds (VOC) reported per the Emission Standards.
If no g/L value is provided this product is not subject to above standard.

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**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** 05/09/2016 / -

**The first date of preparation** 06/19/2015

**Number of revision times and the latest revision date** 1.0 / 05/09/2016