1 Identification

Product identifier
Trade name: DARACCEL

SDS ID Number: 60031

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
Causes serious eye irritation.

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

Hazard pictograms

GHS07

Warning

Hazard statements
Causes serious eye irritation.

Precautionary statements
Wash thoroughly after handling.
Wear eye protection / face protection.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical advice/attention.
Trade name: **DARACCEL**

### NFPA ratings (scale 0 - 4)

- Health = 2
- Fire = 1
- Reactivity = 0

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

- Health = 2
- 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

**Description:** Mixture of the substances listed below with additional nonhazardous ingredients.

<table>
<thead>
<tr>
<th>Hazardous components:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>10043-52-4 Calcium chloride</td>
<td>30-50%</td>
</tr>
<tr>
<td>102-71-6 Triethanolamine</td>
<td>1.0-3.0%</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:** Generally the product does not irritate the skin.

**After eye contact:**

Rinse opened eye for several minutes under running water.
Rinse cautiously with water for several minutes.

**After swallowing:**

Wash out mouth with water
Rinse mouth.

Do not induce vomiting; immediately call for medical help.
Never give anything by mouth to an unconscious person.

**Information for doctor:**

Most important symptoms and effects, both acute and delayed Irritating to eyes.
Trade name: DARACCEL

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 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
Open and handle receptacle with care.
Prevent formation of aerosols.
Avoid contact with eyes.

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:
102-71-6 Triethanolamine
TLV (USA) Long-term value: 5 mg/m³
**Trade name: DARACCEL**

**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:** Not required.

**Eye protection:** Goggles recommended during refilling.

**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>Appearance:</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 ((\sim)) at 20 °C (68 °F):</td>
<td>9</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></td>
<td>Not applicable.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Decomposition temperature:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Auto igniting:</td>
<td>Product is not selfigniting.</td>
</tr>
<tr>
<td>Danger of explosion:</td>
<td>Product does not present an explosion hazard.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Explosion limits:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Lower:</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Upper:</td>
<td>Not determined.</td>
</tr>
<tr>
<td>VOC Content (max):</td>
<td>Not determined.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Vapor pressure:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Not determined.</td>
</tr>
</tbody>
</table>

| Density: (\(\sim\)) at 20 °C (68 °F):                     | 1.3 g/cm³ (10.849 lbs/gal) |
| Relative density                                          | Not determined.           |
| Vapor density                                             | Not determined.           |
Trade name: DARACCEL

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.

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:

<table>
<thead>
<tr>
<th>102-71-6 Triethanolamine</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oral</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>Dermal</td>
</tr>
<tr>
<td></td>
</tr>
</tbody>
</table>

Primary irritant effect:

on the skin: No irritating effect expected

on the eye: Causes serious eye irritation.

Inhalation: No irritating effect expected

Ingestion:

Additional toxicological information:

102-71-6 Triethanolamine

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

102-71-6 Triethanolamine
Trade name: DARACCEL

12 Ecological information

Toxicity
Aquatic toxicity:

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC50, 72h mg/l (algae)</th>
<th>EC50, 48h mg/l (daphnia magna)</th>
</tr>
</thead>
<tbody>
<tr>
<td>102-71-6 Triethanolamine</td>
<td>512 mg/l</td>
<td>609.88 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
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.
Trade name: DARACCEL

<table>
<thead>
<tr>
<th>Transport hazard class(es)</th>
<th>DOT, ADR, ADN, IMDG, IATA Class</th>
<th>Not applicable.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Packing group</td>
<td>DOT, ADR, 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</td>
<td>Remarks:</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.

Right to Know Ingredient Disclosure:
- 7447-40-7 Potassium chloride
- 7647-14-5 Sodium chloride
- 7732-18-5 Water

California Proposition 65

Chemicals known to cause cancer:
- 1,4-dioxane
- Diethanolamine

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

<table>
<thead>
<tr>
<th>Agency</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>EPA (Environmental Protection Agency)</strong></td>
<td>None of the ingredients is listed.</td>
</tr>
<tr>
<td><strong>TLV-ACGIH (THE American Conference of Governmental Industrial Hygienists)</strong></td>
<td>Human Carcinogen - A1 Confirmed, A2 Suspected, A3 Unknown Relevance, A4 Not Classifiable</td>
</tr>
<tr>
<td></td>
<td>Triethanolamine</td>
</tr>
<tr>
<td><strong>NIOSH-Cancer (National Institute for Occupational Safety and Health)</strong></td>
<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.

---

### 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** 03/30/2016 / 1.3

**The first date of preparation** 10/06/2011

**Number of revision times and the latest revision date** 1.4 / 03/30/2016