# 1 Identification

**Product identifier**

Trade name: **Dry DaraFill®**

SDS ID Number: 3730

**Relevant identified uses of the substance or mixture, and uses advised against**

Concrete Admixtures

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**

Depending on the type of handling and use, airborne respirable crystalline silica may be generated. Prolonged and/or massive inhalation of respirable silica dust may cause silicosis. Occupational exposure to respirable crystalline silica should be monitored and controlled.

This product should be handled with care to avoid dust generation.

Causes skin irritation.

Causes serious eye damage.

Suspected of causing cancer.

May cause damage to organs through prolonged or repeated exposure.

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

**Hazard pictograms**

![GHS05 GHS08](image)

Danger

(Cont. on page 2)
Trade name: Dry DaraFill®

Hazard statements
Causes skin irritation.
Causes serious eye damage.
Suspected of causing cancer.
May cause damage to organs through prolonged or repeated exposure.

Precautionary statements
Wear protective gloves/protective clothing/eye protection/face protection.
Do not handle until all safety precautions have been read and understood.
Wash thoroughly after handling.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
IF ON SKIN: Wash with plenty of water.
IF exposed or concerned: Get medical advice/attention.
If skin irritation occurs: Get medical advice/attention.
Immediately call a POISON CENTER/doctor.

Additional information: Avoid breathing dust.

NFPA ratings (scale 0 - 4)
- Health = 3
- Fire = 1
- Reactivity = 0

HMIS-ratings (scale 0 - 4)
- HEALTH: Health = *3
- FIRE: Flammability = 1
- REACTIVITY: 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.

<table>
<thead>
<tr>
<th>Hazardous components</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>68603-42-9 Coconut fatty acid diethanolamide</td>
<td>30-50%</td>
</tr>
<tr>
<td>93763-70-3 Perlite</td>
<td>30-50%</td>
</tr>
<tr>
<td>14808-60-7 Quartz (SiO2)</td>
<td>2.0-5.0%</td>
</tr>
<tr>
<td>Proprietary short chain organic alcohol - NJTSN801416097</td>
<td>2.0-5.0%</td>
</tr>
<tr>
<td>111-42-2 Diethanolamine</td>
<td>1.0-2.0%</td>
</tr>
</tbody>
</table>

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: Seek medical treatment in case of complaints.
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.
Safety Data Sheet

Trade name: Dry DaraFill®

44.3.0

After eye contact: Rinse cautiously with water for several minutes.
After swallowing:
Rinse mouth.
Do NOT induce vomiting.

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

Extinguishing media
Suitable extinguishing agents: Use fire fighting measures that suit the environment.
Special hazards arising from the substance or mixture No further relevant information available.
Advice for firefighters
Protective equipment: Wear self-contained respiratory protective device.
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.
Environmental precautions: Inform respective authorities in case of seepage into water course or sewage system.
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.
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
Risk of serious damage to eyes.
Do not breathe dust.
Avoid contact with skin.
Do not eat, drink or smoke when using this product.
Keep only in original container.
Use only outdoors or in a well-ventilated area.
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:
Store in a dry place.
Keep cool.

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 Code</th>
<th>PEL (USA)</th>
<th>REL (USA)</th>
<th>TLV (USA)</th>
</tr>
</thead>
<tbody>
<tr>
<td>93763-70-3 Perlite</td>
<td>Long-term value: 15* 5** mg/m³ **total dust **respirable fraction</td>
<td>Long-term value: 10* 5** mg/m³ **total dust **respirable fraction</td>
<td>TLV withdrawn</td>
</tr>
<tr>
<td>14808-60-7 Quartz (SiO2)</td>
<td>Long-term value: 0.05* mg/m³ **respirable dust; See Pocket Guide App. A</td>
<td>Long-term value: 0.025* mg/m³ **as respirable fraction</td>
<td>TLV withdrawn-insufficient data human occup. exp.</td>
</tr>
<tr>
<td>111-42-2 Diethanolamine</td>
<td>Long-term value: 15 mg/m³, 3 ppm Skin; *inhalable fraction and vapor</td>
<td>Long-term value: 1* mg/m³, 0.2* ppm Skin; *inhalable fraction and vapor</td>
<td></td>
</tr>
</tbody>
</table>

Additional Occupational Exposure Limit Values for possible hazards during processing:
In addition to the exposure limits referenced above, the following non-specific limits for dust apply to this product; OSHA, 15 mg/m³-TWA for Total Dust and 5 mg/m³-TWA as Respirable Dust, ACGIH, 10 mg/m³-TWA as Total Dust and 3 mg/m³-TWA as Respirable Dust.

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

Exposure controls
Minimize airborne dust generation. Use process enclosures, local exhaust ventilation or other engineering controls to keep airborne levels below specified exposure limits. If user operations generate dust, or mist, use ventilation to keep exposure to airborne particles below the exposure limit. Apply organizational measures, eg. by isolating personnel from dusty areas. Remove and wash soiled clothing.

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.

**Penetration time of glove material**
The exact breakthrough time has to be found out by the manufacturer of the protective gloves and has to be observed.

**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

### Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>General Information</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Appearance:</strong></td>
<td>Powder</td>
</tr>
<tr>
<td><strong>Form:</strong></td>
<td>Powder</td>
</tr>
<tr>
<td><strong>Color:</strong></td>
<td>Whitish</td>
</tr>
<tr>
<td><strong>Odor:</strong></td>
<td>Characteristic</td>
</tr>
<tr>
<td><strong>Odor threshold:</strong></td>
<td>Not determined.</td>
</tr>
<tr>
<td><strong>pH-value (–) at 20 °C (68 °F):</strong></td>
<td>10</td>
</tr>
<tr>
<td><strong>Change in condition</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Melting point/Melting range:</strong></td>
<td>Undetermined.</td>
</tr>
<tr>
<td><strong>Boiling point/Boiling range:</strong></td>
<td>Undetermined.</td>
</tr>
<tr>
<td><strong>Flash point:</strong></td>
<td>Not applicable.</td>
</tr>
<tr>
<td><strong>Flammability (solid, gaseous):</strong></td>
<td>Not determined.</td>
</tr>
<tr>
<td><strong>Decomposition temperature:</strong></td>
<td>Not determined.</td>
</tr>
<tr>
<td><strong>Auto igniting:</strong></td>
<td>Not determined.</td>
</tr>
<tr>
<td><strong>Danger of explosion:</strong></td>
<td>Product does not present an explosion hazard.</td>
</tr>
<tr>
<td><strong>Explosion limits:</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Lower:</strong></td>
<td>Not determined.</td>
</tr>
<tr>
<td><strong>Upper:</strong></td>
<td>Not determined.</td>
</tr>
<tr>
<td><strong>VOC Content (max):</strong></td>
<td>Not determined.</td>
</tr>
<tr>
<td><strong>Vapor pressure:</strong></td>
<td>Not applicable.</td>
</tr>
<tr>
<td><strong>Density: (–)</strong></td>
<td>Not determined.</td>
</tr>
<tr>
<td><strong>Relative density:</strong></td>
<td>Not determined.</td>
</tr>
<tr>
<td><strong>Vapor density:</strong></td>
<td>Not applicable.</td>
</tr>
<tr>
<td><strong>Evaporation rate:</strong></td>
<td>Not applicable.</td>
</tr>
<tr>
<td><strong>Solubility in / Miscibility with Water:</strong></td>
<td>Not miscible or difficult to mix.</td>
</tr>
<tr>
<td><strong>Partition coefficient (n-octanol/water):</strong></td>
<td>Not determined.</td>
</tr>
</tbody>
</table>
Safety Data Sheet

Trade name: Dry DaraFill®

### 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:** 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

**Delayed and immediate effects and chronic effects from short or long term exposure**

May cause damage to organs through prolonged or repeated exposure.

**Information on toxicological effects**

**Acute toxicity:**

<table>
<thead>
<tr>
<th>LD/LC50 values relevant for classification:</th>
</tr>
</thead>
<tbody>
<tr>
<td>111-42-2 Diethanolamine</td>
</tr>
<tr>
<td>Oral LD50 710 mg/kg (rat)</td>
</tr>
</tbody>
</table>

**Primary irritant effect:**

- **on the skin:** Causes skin irritation.
- **on the eye:** Causes serious eye damage.
- **inhalation:** No irritating effect expected
- **Ingestion:** May cause damage to organs through prolonged or repeated exposure.

**Additional toxicological information:** Suspected of causing cancer.

**Carcinogenic categories**

| IARC (International Agency for Research on Cancer) Human Carcinogenicity: |
| Group 1- Positive, Group 2A- Probable, Group 2B- Possible, Group 3- Not Classifiable |
| 68603-42-9 Coconut fatty acid diethanolamide | 2B |
| 14808-60-7 Quartz (SiO2) | 1 |
| 111-42-2 Diethanolamine | 2B |

| 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.

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

Disposal 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.

Dust formation from residues in packaging should be avoided and suitable worker protection assured. Store used packaging in enclosed receptacles.

Uncleaned packagings:
Recommendation: Disposal must be made according to official regulations.

14 Transport information

<table>
<thead>
<tr>
<th>UN-Number</th>
<th>DOT, IMDG, IATA</th>
<th>Not applicable.</th>
</tr>
</thead>
<tbody>
<tr>
<td>UN proper shipping name</td>
<td>DOT, IMDG, IATA</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Transport hazard class(es)</td>
<td>DOT, IMDG, IATA</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Packing group</td>
<td>DOT, IMDG, IATA</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Environmental hazards:</td>
<td></td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Special precautions for user</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):**

<table>
<thead>
<tr>
<th>CAS Number</th>
<th>Chemical Name</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>111-42-2</td>
<td>Diethanolamine</td>
<td>1.9%</td>
</tr>
</tbody>
</table>

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

- Health Hazard - Carcinogenicity
- Health Hazard - Skin Corrosion or Irritation
- Health Hazard - Serious eye damage or eye irritation
- Health Hazard - Specific target organ toxicity (single or repeated exposure)

### 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:**

- Coconut fatty acid diethanolamide
- 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:**

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

<table>
<thead>
<tr>
<th>Chemical</th>
<th>TLV-ACGIH Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>Perlite</td>
<td>A4</td>
</tr>
<tr>
<td>Quartz (SiO2)</td>
<td>A2</td>
</tr>
</tbody>
</table>

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

14808-60-7 [Quartz (SiO2)]

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

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

*USGHS*
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
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Number of revision times and the latest revision date 1.0 / 03/03/2017