

## Safety Data Sheet

Printing date 02/07/2020

Version Number 1.0

Reviewed on 02/07/2020

### 1 Identification

#### Product identifier

Trade name: *Force 10,000 D*

SDS ID Number: 60074

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

**Product category** Concrete Admixture

#### 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

The product is not classified, according to the Globally Harmonized System (GHS).

##### Additional information:

GENERAL GUIDELINES for HANDLING CHEMICAL PRODUCTS

- Inhalation of dust may cause respiratory irritation resulting in coughing, sneezing and other nuisance symptoms.
- Eye contact may cause slight physical or mechanical irritation.
- Prolonged or repeated use may cause skin irritation and dryness.
- Read and understand all Health and Safety information on the product Label and Material Safety Data Sheet before use.

##### Label elements:

**Hazard pictograms** Not applicable.

Not applicable.

**Hazard statements** Not applicable.

##### Precautionary statements

- Avoid creating dust.
- Equip mixers and hoppers with dust covers.
- Provide ventilation and respiratory protection.
- Avoid contact with skin and eyes.
- Wear skin and eye protection to avoid contact with dust.

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## NFPA ratings (scale 0 - 4)



Health = 1  
Fire = 0  
Reactivity = 0

## HMIS-ratings (scale 0 - 4)



Health = 1  
Flammability = 0  
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.  
The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

## Hazardous components:

69012-64-2	Silica, fume	50-100%
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**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:

IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
If experiencing respiratory symptoms: Call a POISON CENTER/doctor.

**After skin contact:** Immediately wash contaminated skin with soap or mild detergent and water.

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

## After swallowing:

Rinse mouth.

Do NOT induce vomiting.

Never give anything by mouth to an unconscious person.

## 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.

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**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:** Sweep up spilled product into receptacles.

### 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.

Avoid contact with eyes, skin and clothing.

Do not take internally.

Practice good personal hygiene to avoid ingestion.

Use only with adequate ventilation.

Wash clothing before reuse.

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

**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:

**69012-64-2 Silica, fume**

TLV (USA)	TLV withdrawn
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**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.

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**Breathing equipment:**

Use an approved (NIOSH N95) dust respirator when airborne dust is expected. If the exposure limit is exceeded, a full facepiece particulate respirator (NIOSH filters N100) is required.

**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.



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****General Information****Appearance:**

<b>Form:</b>	Powder
<b>Color:</b>	White
<b>Odor:</b>	Odorless
<b>Odor threshold:</b>	Not applicable.

**pH-value (~) at 20 °C (68 °F):** 7

**Change in condition**

<b>Melting point/Melting range:</b>	1,700 °C (35.100 °F)
<b>Boiling point/Boiling range:</b>	Not applicable.
<b>Flash point:</b>	Not applicable.

**Flammability (solid, gaseous):** Not applicable.

**Ignition temperature:** Not applicable.

**Decomposition temperature:** Not applicable under normal storage conditions.

**Auto igniting:** Product is not self-igniting.

**Danger of explosion:** Product does not present an explosion hazard.

**Explosion limits:**

<b>Lower:</b>	Not determined.
<b>Upper:</b>	Not determined.

**Vapor pressure:** Not applicable.

**Density: (~)** Not determined.

**Vapor density** Not applicable.

**Evaporation rate** Not applicable.

**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.

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<b>Molecular weight</b>	Not applicable.
<b>Other information</b>	No further relevant information available.

**10 Stability and reactivity****Reactivity**

Stable under normal conditions.  
No further relevant information available.

**Chemical stability** Stable under normal conditions.

**Thermal decomposition:** No decomposition if used according to specifications.

**Possibility of hazardous reactions**

No dangerous reactions known.  
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

**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

All components have the value 3.

**NTP (National Toxicology Program)**

**K–Known to be carcinogenic, R–May reasonably be anticipated to be carcinogenic**

None of the ingredients are listed.

**OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients are 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.

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**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:**

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**

<b>UN-Number</b> DOT, IMDG, IATA	Not applicable.
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<b>UN proper shipping name</b> DOT, IMDG, IATA	Not applicable.
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<b>Transport hazard class(es)</b> DOT, IMDG, IATA Class	Not applicable.
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<b>Packing group</b> DOT, IMDG, IATA	Not applicable.
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<b>Environmental hazards:</b>	Not applicable.
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<b>Special precautions for user</b>	Not applicable.
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**Transport/Additional information:**

<b>DOT</b> <b>Remarks:</b>	Not Regulated.
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<b>UN "Model Regulation":</b>	Not applicable.
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**15 Regulatory information****SARA (Superfund Amendments and Reauthorization Act)****Section 302/304 (extremely hazardous substances):**

None of the ingredients is listed.

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**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:** None**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:**

69012-64-2 | Silica, fume

**California Proposition 65: (Substances <0.1% unless noted in Section 3)****Chemicals known to cause cancer:**Quartz (SiO<sub>2</sub>)**Chemicals known to cause reproductive toxicity for females:**

None of the ingredients are listed.

**Chemicals known to cause reproductive toxicity for males:**

None of the ingredients are listed.

**Chemicals known to cause developmental toxicity:**

None of the ingredients are 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 are listed.

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

None of the ingredients are 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:**

GCP Applied Technologies  
62 Whittemore Avenue  
Cambridge, MA 02140 USA  
USA: +1-617-876-1400 (24 hours)  
+1-800-354-5414

**The first date of preparation** 06/18/2018**Number of revision times and the latest revision date** 1.0 / 02/07/2020

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