

Safety Data Sheet

Printing date 03/03/2017

Version Number 1.0

Reviewed on 03/03/2017

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

Danger

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

HEALTH	3	Health = *3
FIRE	1	Flammability = 1
REACTIVITY	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.**Hazardous components:**

68603-42-9	Coconut fatty acid diethanolamide	30-50%
93763-70-3	Perlite	30-50%
14808-60-7	Quartz (SiO ₂)	2.0-5.0%
	Proprietary short chain organic alcohol - NJTSN801416097	2.0-5.0%
111-42-2	Diethanolamine	1.0-2.0%

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.

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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.

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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:****93763-70-3 Perlite**PEL (USA) Long-term value: 15* 5** mg/m³
*total dust **respirable fractionREL (USA) Long-term value: 10* 5** mg/m³
*total dust **respirable fraction

TLV (USA) TLV withdrawn

14808-60-7 Quartz (SiO₂)

PEL (USA) see Quartz listing

REL (USA) Long-term value: 0.05* mg/m³
respirable dust; See Pocket Guide App. ATLV (USA) Long-term value: 0.025 mg/m³
*as respirable fraction**Proprietary short chain organic alcohol - NJTSN801416097**PEL (USA) Long-term value: 15* 5** mg/m³
mist; *total dust **respirable fraction

TLV (USA) TLV withdrawn-insufficient data human occup. exp.

111-42-2 DiethanolamineREL (USA) Long-term value: 15 mg/m³, 3 ppmTLV (USA) Long-term value: 1* mg/m³, 0.2* ppm
Skin; *inhalable fraction and vapor**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

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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 break through 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

General Information**Appearance:**

Form:	Powder
Color:	Whitish
Odor:	Characteristic
Odor threshold:	Not determined.

pH-value (~) at 20 °C (68 °F): 10

Change in condition

Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	Undetermined.
Flash point:	Not applicable.

Flammability (solid, gaseous): Not determined.

Decomposition temperature:	Not determined.
Auto igniting:	Product is not selfigniting.
Danger of explosion:	Product does not present an explosion hazard.

Explosion limits:

Lower:	Not determined.
Upper:	Not determined.
VOC Content (max):	Not determined.

Vapor pressure:	Not applicable.
Density: (~)	Not determined.
Relative 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.

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Viscosity:
Dynamic: Not applicable.
Kinematic: Not applicable.
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.

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:

LD/LC50 values relevant for classification:

111-42-2 Diethanolamine

Oral	LD50	710 mg/kg (rat)
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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 (SiO ₂)	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 (SiO ₂)	K
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OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is listed.

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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****UN-Number**

DOT, IMDG, IATA Not applicable.

UN proper shipping name

DOT, IMDG, IATA Not applicable.

Transport hazard class(es)DOT, IMDG, IATA
Class Not applicable.**Packing group**

DOT, IMDG, IATA Not applicable.

Environmental hazards: Not applicable.**Special precautions for user** Not applicable.

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Transport/Additional information:**DOT****Remarks:** Not Regulated.**UN "Model Regulation":** Not applicable.**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):

111-42-2	Diethanolamine	1.9%
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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**

Perlite	A4
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Quartz (SiO ₂)	A2
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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.

16 Other information

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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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