

**Safety Data Sheet**

Printing date 05/05/2023

Version Number 1.0

Reviewed on 05/05/2023

**1 Identification****Product identifier**Trade name: ***Darafill BP***

SDS ID Number: 56,205

**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  
2325 Lakeview Pkwy  
Alpharetta GA 30009 USAGCP 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**

Causes skin irritation.

Causes serious eye damage.

May cause damage to the kidneys, the liver and the blood through prolonged or repeated exposure. Route of exposure: Oral.

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

Danger

**Hazard statements**

Causes skin irritation.

Causes serious eye damage.

May cause damage to the kidneys, the liver and the blood through prolonged or repeated exposure. Route of exposure: Oral.

**Precautionary statements**

Do not breathe dust/fume/gas/mist/vapors/spray.

Wash thoroughly after handling.

Wear protective gloves / eye protection / face protection.

## Safety Data Sheet

Printing date 05/05/2023

Version Number 1.0

Reviewed on 05/05/2023

Trade name: *Darafill BP*

(Cont. from page 1)

If on skin: Wash with plenty of water.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Immediately call a poison center/doctor.

Get medical advice/attention if you feel unwell.

If skin irritation occurs: Get medical advice/attention.

Take off contaminated clothing and wash it before reuse.

Dispose of contents/container in accordance with local/regional/national/international regulations.

**Hazard description:**

NFPA ratings (scale 0 - 4)



Health = 3

Fire = 1

Reactivity = 0

HMIS-ratings (scale 0 - 4)



Health = \*3

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: Mixture****Description:** Mixture of the hazardous substance(s) listed below with additional nonhazardous ingredients.**Hazardous components:**

68603-42-9	Coconut fatty acid diethanolamide	40-<50%
111-42-2	Diethanolamine	5-<7.5%

**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 experiencing respiratory symptoms: Call a POISON CENTER/doctor.

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

**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.

Do NOT induce vomiting.

Immediately call a doctor.

(Cont. on page 3)

USGHS

## Safety Data Sheet

Printing date 05/05/2023

Version Number 1.0

Reviewed on 05/05/2023

**Trade name:** *Darafill BP*

(Cont. from page 2)

**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:** CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray.**Special hazards arising from the substance or mixture**

During heating or in case of fire poisonous gases are produced.

Combustion products may include toxic gases such as carbon monoxide and smoke.

**Advice for firefighters****Protective equipment:** Wear personal protective equipment.**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.

Use neutralizing agent.

**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**

Prevent formation of aerosols.

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:** Keep respirator available.**Further information about storage conditions:** Keep receptacle tightly sealed.

(Cont. on page 4)

USGHS

## Safety Data Sheet

Printing date 05/05/2023

Version Number 1.0

Reviewed on 05/05/2023

Trade name: *Darafill BP*

(Cont. from page 3)

**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:****111-42-2 Diethanolamine**

EL (Canada)	Long-term value: 2 mg/m <sup>3</sup> Skin, IARC 2B
EV (Canada)	Long-term value: 2 mg/m <sup>3</sup>
REL (USA)	Long-term value: 15 mg/m <sup>3</sup> , 3 ppm
TLV (USA)	Long-term value: 1 * mg/m <sup>3</sup> Skin; *inhalable fraction and vapor, A3

**Additional information:**

The lists that were valid during the creation were used as basis.  
Canadian employers must consult the exposure limits in their province.

**Exposure controls****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.**Material of gloves**

Nitrile rubber.  
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.

USGHS

(Cont. on page 5)

## Safety Data Sheet

Printing date 05/05/2023

Version Number 1.0

Reviewed on 05/05/2023

Trade name: *Darafill BP*

(Cont. from page 4)

## 9 Physical and chemical properties

## Information on basic physical and chemical properties

## General Information

## Appearance:

Form:	Liquid
Color:	According to product specification
Odor:	Characteristic
Odor threshold:	Not applicable.

pH-value (~) at 20 °C (68 °F): 9.8

## Change in condition

Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	100 °C (212 °F)
Flash point:	Not applicable.

Flammability (solid, gaseous): Not applicable.

Ignition temperature: Undetermined.

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:

Lower:	Not applicable.
Upper:	Not applicable.

Vapor pressure:	Not determined.
Density: (~) at 20 °C (68 °F)	1 g/cm <sup>3</sup> (8.3 lbs/gal)
Vapor density	Not determined.
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.
Molecular weight	Not determined.

Other information No further relevant information available.

## 10 Stability and reactivity

## Reactivity

Stable under normal conditions.

No further relevant information available.

## Chemical stability

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

## Safety Data Sheet

Printing date 05/05/2023

Version Number 1.0

Reviewed on 05/05/2023

Trade name: *Darafill BP*

(Cont. from page 5)

## 11 Toxicological information

## Information on toxicological effects

## Acute toxicity:

## LD/LC50 values relevant for classification:

## 111-42-2 Diethanolamine

Oral	LD50	710 mg/kg (rat)
Dermal	LD50	8,328 mg/kg (rabbit)

## 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 the kidneys, the liver and the blood through prolonged or repeated exposure. Route of exposure: Oral.

## 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

68603-42-9	Coconut fatty acid diethanolamide	2B
111-42-2	Diethanolamine	2B

## 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 &amp; 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.

## Additional ecological information:

General notes: Must not reach bodies of water or drainage ditch undiluted or unneutralized.

## Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

Other adverse effects No further relevant information available.

USGHS

(Cont. on page 7)

## Safety Data Sheet

Printing date 05/05/2023

Version Number 1.0

Reviewed on 05/05/2023

Trade name: *Darafill BP*

(Cont. from page 6)

## 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.

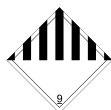
## \* 14 Transport information

**UN-Number**

DOT UN3082  
IMDG, IATA Not applicable.

**UN proper shipping name**

DOT RQ Environmentally hazardous substance, liquid, n.o.s. (Diethanolamine)  
IMDG, IATA Not applicable.

**Transport hazard class(es)****DOT**

Class 9 Miscellaneous  
Label 9

**IMDG, IATA**

Class Not applicable.

**Packing group**

DOT III  
IMDG, IATA Not applicable.

**Environmental hazards:** Not applicable.

**Special precautions for user** Not applicable.

**Transport/Additional information:****DOT**

Remarks: Not Regulated.  
Not regulated in containers 241 gallons or less.

## \* 15 Regulatory information

**Other regulations in domestic and foreign countries**

SARA (Superfund Amendments and Reauthorization Act)

Section 302/304 (extremely hazardous substances):

None of the ingredients is listed.

(Cont. on page 8)

USGHS

## Safety Data Sheet

Printing date 05/05/2023

Version Number 1.0

Reviewed on 05/05/2023

Trade name: *Darafill BP*

(Cont. from page 7)

**Section 313 Reportable Ingredients (Chemicals present below reporting threshold are exempt):**

111-42-2	Diethanolamine	5.0%
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**SARA Section 312/Tier I & II Hazard Categories:**

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.

**Right to Know Ingredient Disclosure:**

7732-18-5 | Water

**California Proposition 65: (Substances <0.1% unless noted in Section 3)****Chemicals known to cause cancer:**

Coconut fatty acid diethanolamide

**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.** 99.5 g/l / 0.83 lb/gal**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

2325 Lakeview Pkwy

Alpharetta GA, 30009 USA

USA: +1-617-876-1400 (24 hours)

+1-800-354-5414

**Contact:****The first date of preparation** 05/05/2023**Number of revision times and the latest revision date** 1.0 / 05/05/2023

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