

**Safety Data Sheet
in accordance with HSNO**

Printing Date: 28.11.2024

Version Number: 1.0

Revision Date: 28.11.2024

1 Identification of the substance or mixture and of the supplier**Product identifier:**Trade name: ***DARAFILL® CAPSULE*****Relevant identified uses of the substance or mixture, and uses advised against:** No further relevant information available.**Relevant identified uses of the substance or mixture:** Concrete Admixtures**Identified uses advised against:** No further relevant information available.**Details of the supplier of the safety data sheet:****Manufacturer/supplier:**GCP Applied Technologies
62 Whittemore Avenue
Cambridge, MA 02140
UNITED STATES
Tel:+1 617.876.1400 (24h)
Fax:+1 617.498.4311**Supplier:**GCP Australia Pty. Ltd.
14 Colebard Street West
Archerfield, Queensland 4108
AustraliaTel: 1800 334 444
Fax: +61 7-3275-7801W.R. Grace & Co. -Conn.
62 Whittemore Avenue
Cambridge, MA 02140 USA**Further information obtainable from:** APMSDS@gcpat.com**Emergency telephone number:**CHEMWATCH - 00 800 2436 2255 (free call)
National Poison Centre - 0800 764-766 (0800 POISON)**Transport Emergency:** Chemtrec +1-800-424-9300 (24 hours)**2 Hazards identification****Classification of the substance or mixture:**

Skin irritation Category 2	H315 Causes skin irritation.
Serious eye damage Category 1	H318 Causes serious eye damage.
Specific target organ toxicity - repeated exposure Category 2	H373 May cause damage to the kidneys, the liver and the blood through prolonged or repeated exposure. Route of exposure: Oral.

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

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Hazard pictograms



GHS05 GHS08

Signal word Danger

Hazard-determining components of labelling:

 Coconut fatty acid diethanolamide
 Diethanolamine

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/vapours/spray.

Wash thoroughly after handling.

Wear protective gloves / eye protection / face protection.

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.

Information concerning particular hazards for human and environment:
Description of Classification:

Classified as Hazardous Substance according to the criteria of the New Zealand Hazardous Substance New Organisms legislation.

HSNO Group Standard : Construction Products (Subsidiary Hazard) Group Standard 2017

HSNO Approval Number : HSR002544

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 substances listed below with non-hazardous additions.

Dangerous components:

68603-42-9	Coconut fatty acid diethanolamide Serious eye damage Category 1, H318 Skin irritation Category 2, H315	50-<100%
111-42-2	Diethanolamine Specific target organ toxicity - repeated exposure Category 2, H373 Serious eye damage Category 1, H318 Acute oral toxicity Category 4, H302; Skin irritation Category 2, H315	10-<20%

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4 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.**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.

Call for a doctor immediately.

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:**

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

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:**

Ensure adequate ventilation.

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 neutralising 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.

Store in a well-ventilated place. Keep container tightly closed.

Use only outdoors or in a well-ventilated area.

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Information about fire - and explosion protection: No special measures required.

STORAGE

Information about storage in one common storage facility: Keep respiratory protective device available.

Further information about storage conditions:

Protect from frost.

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 facilities: No further data; see section 7.

Ingredients with limit values that require monitoring at the workplace:

111-42-2 Diethanolamine

WES (New Zealand)	Long-term value: 13 mg/m ³ , 3 ppm skin
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WES (Australia)	Long-term value: 13 mg/m ³ , 3 ppm
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Additional information: Based on the lists valid at the date of SDS creation.

PERSONAL PROTECTIVE EQUIPMENT

General protective and hygienic measures: The usual precautionary measures are to be adhered to when handling chemicals.

Respiratory protection:

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:

Gloves should be impermeable and resistant to the product. Selection of material should be considered before use.

Nitrile rubber.

Rubber or other impervious gloves should be worn to prevent skin contact.

PVC gloves

Eye protection:



Safety glasses with side shield protection.



A face shield should also be worn if there is potential exposure to splash or spray.

Safety glasses with side shields should be worn to prevent contact due to splashing. Under high vapour mist concentrations, tightly sealed goggles should be worn.

Body protection:

Use personal protective equipment as required.

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Take off contaminated clothing.

9 Physical and chemical properties

GENERAL INFORMATION

Appearance:

Form:

Liquid.

Colour:

According to product specification.

Odour:

Characteristic.

Odour threshold:

Not determined.

pH-value (~):

Not determined.

Change in conditions:-

Melting point/freezing point:

Undetermined.

Initial boiling point and boiling range:

Not determined.

Flash point:

Not applicable.

Flammability (solid, gas):

Not applicable.

Auto-ignition temperature:

400 °C

Decomposition temperature:

Not determined.

Ignition temperature:

Not determined.

Explosive properties:

Product does not present an explosion hazard.

Lower:

Not determined.

Upper:

Not determined.

Vapour pressure:

Not determined.

Density:

Not determined.

Vapour density:

Not determined.

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 determined.

Other information:

No further relevant information available.

10 Stability and reactivity

Reactivity:

Stable under normal conditions.

No further relevant information available.

Thermal decomposition / conditions to be avoided: 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

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Additional information: See section 7 for information on handling, storage and conditions to be avoided.

11 Toxicological information

Information on toxicological effects:

ACUTE TOXICITY Based on available data, the classification criteria are not met.

LD/LC50 values relevant for classification:

111-42-2 Diethanolamine

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

Skin corrosion/irritation Causes skin irritation.

Serious eye damage/irritation Causes serious eye damage.

Ingestion:

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

Respiratory or skin sensitisation Based on available data, the classification criteria are not met.

Germ cell mutagenicity Based on available data, the classification criteria are not met.

Carcinogenicity Based on available data, the classification criteria are not met.

Reproductive toxicity Based on available data, the classification criteria are not met.

STOT-single exposure Based on available data, the classification criteria are not met.

STOT-repeated exposure

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

Aspiration hazard Based on available data, the classification criteria are not met.

12 Ecological information

Toxicity:

AQUATIC TOXICITY No further relevant information available.

Persistence and degradability: No further relevant information available.

BEHAVIOUR 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 sewage water or drainage ditch undiluted or unneutralised.

Results of PBT and vPvB assessment:

PBT: Not applicable.

vPvB: Not applicable.

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13 Disposal considerations

Waste treatment methods:
Recommendation:


Must not be disposed together with household garbage. Do not allow product to reach sewage system.

UNCLEANED PACKAGING
Recommendation: Disposal must be made according to official regulations.

14 Transport information

UN-Number NZS, IMDG, IATA	Not Regulated
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UN proper shipping name NZS, IMDG, IATA	Not Regulated
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Transport hazard class(es) NZS, ADN, IMDG, IATA Class	Not Regulated
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Packing group NZS, IMDG, IATA	Not Regulated
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Environmental hazards:	Not applicable.
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Special precautions for user:	Not applicable.
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Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:	Not Regulated
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15 Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture:

See Section 2 for hazard identification.

HSNO Group Standard Construction Products (Subsidiary Hazard) Group Standard 2017

HSNO Approval Number HSR002544

HSNO Approval numbers

None of the ingredients is listed.

Registered in the international inventory lists: NZIoC (New Zealand)

Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

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."

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Department issuing SDS:

EHS Department,
Asia Pacific Region
GCP Applied Technologies Operations Center, Inc.,
CTP Asean Tower, Upper Penthouse, Unit 1,
2397 Asean Drive, Spectrum District, Filinvest Alabang, 1781,
Muntinlupa City, Philippines
Tel: + 63 2 8271 2300

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