



BeadTech Inc.



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Safety Data Sheet (SDS)

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Trade name: DermaPep™ W220

INCI name: Butylene Glycol Dicaprylate/Dicaprate, Methyl Undecenoyl Dipeptide-16

1.2. Relevant identified uses of the substance or mixture and uses advised against

Relevant identified use : Active ingredient for cosmetic preparations

1.3. Details of the supplier of the safety data sheet

Company Identification:

BeadTech Inc..

10-dong 4th, 49 Wonsi-ro, Danwon-gu, Ansan-si, Gyeonggi-do, Korea

Email: dermapep@mwc.co.kr

1.4. Emergency telephone number

TEL) +82-31-8084-8414

SECTION 2: Hazards Identification

2.1. Classification of the substance or mixture

GHS Classification: Not Classified

2.2. Label elements including precautionary statements

GHS Labelling Not applicable

GHS Signal Word Not applicable

Hazard Statement Not applicable

Precautionary Statements: Not applicable

2.3. Other hazards which do not result in classification: Not applicable

SECTION 3: Composition/Information on Ingredients

Component	CAS No.	Concentration (%)
Butylene Glycol Dicaprylate/Dicaprate,	211107-84-5	99.5
Methyl Undecenoyl Dipeptide-16	1397704-88-9	0.5

SECTION 4: First Aid Measures

4.1. Description of first aid measures

General advice: Remove contaminated, soaked clothing immediately and dispose of safely. First aider needs to protect himself.

Inhalation: Keep at rest. Aerate with fresh air. When symptoms persist or in all cases of doubt seek medical

advice.

Eyes: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses. Immediate medical attention is required.

Skin: Wash off immediately with plenty of water. When symptoms persist or in all cases of doubt seek medical advice.

Ingestion: Call a physician immediately. Do not induce vomiting without medical advice.

4.2. Most important symptoms and effects, both acute and delayed: N/A

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically. If ingested, irrigate the stomach using activated charcoal.

SECTION 5: FIRE FIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media: foam, dry chemical, carbon dioxide (CO₂), water spray

5.2. Special hazards arising from the substance or mixture

Under conditions giving incomplete combustion, hazardous gases produced may consist of: carbon monoxide (CO), carbon dioxide (CO₂). Combustion gases of organic materials must in principle be graded as inhalation poisons. Vapors are heavier than air and may spread along floors.

5.3. Advice for firefighters

Fire fighter protection should include a self-contained breathing apparatus (NIOSH-approved or EN 133) and full fire-fighting turn out gear.

Precautions for fire-fighting: Cool containers / tanks with water spray. Dike and collect water used to fight fire. Water run-off can cause environmental damage. Keep people away from and upwind of fire.

SECTION 6: Accidental Release Measures

6.1. Personal precautions, protective equipment and emergency procedures

Avoid contact with skin and eyes. Avoid breathing vapors or mists. Keep people away from and upwind of spill/leak. Ensure adequate ventilation, especially in confined areas. Keep away from heat and sources of ignition.

6.2. Environmental precautions

Gather released materials using suitable instruments.

Prevent further leakage or spillage. Do not discharge product into the aquatic environment without pretreatment

6.3. Methods and material for containment and cleaning up

Small spills: Absorb with sand or other non-combustible material. Collect spilled material in appropriate container for disposal.

Large spills: Dike for later disposal. Remove sources of ignition. Keep unnecessary people away, isolate hazard area and deny entry.

6.4. Reference to other sections

For personal protection, see Section 8. For waste disposal, see Section 13

SECTION 7: Handling and Storage

7.1. Precautions for safe handling

Advice on safe handling:

Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product. Provide sufficient air exchange and/or exhaust in work rooms.

Advice on protection against fire and explosion:

Keep away from sources of ignition - No smoking. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours). In case of fire, emergency cooling with water spray should be available. Ground and bond containers when transferring material.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures/Storage conditions: Keep containers tightly closed in a cool, well-ventilated place.

Keep in cool, dark and clean place. For long term storage it is recommended to store at 4 °C which extends shelf life to at least two years. Incompatible products: Strong oxidizing agents

7.3. Specific end use(s): Formulations for cosmetic products

SECTION 8: Exposure Controls/Personal Protection

8.1. Control parameters

Exposure limits

Permissible Exposure Limits (PELs): Not applicable

Threshold Limit Values (TLVs) : Not applicable

8.2. Exposure controls

Occupational exposure controls

Engineering measures

General or dilution ventilation is frequently insufficient as the sole means of controlling employee exposure. Local ventilation is usually preferred. Explosion-proof equipment (for example fans, switches, and grounded ducts) should be used in mechanical ventilation systems.

Personal protective equipment

Protection of respiratory system: Any self-contained breathing apparatus with a full face piece.

The respirator must be approved by NIOSH/MSHA for the substance of concern.

Eye protection: Safety goggles, never wear contact lenses. Provide an emergency eye wash fountain.

Hand protection: Use suitable Gloves

Body protection: Use suitable boots, apron, clothes

Environmental exposure controls

If possible use in closed systems, if leakage cannot be prevented, the substance needs to be sucked off at the emission point, if possible without danger. Observe the exposure limits, clean exhaust air if needed. If recycling is not practicable, dispose of in compliance with local regulations. Inform the responsible authorities in case of leakage into the atmosphere, or of entry into waterways, soil or drains.

SECTION 9: Physical and Chemical Properties

(a) **Transparency:** Transparent solution

(b) **Colour:** Light yellowish

- (c) **Odour:** Characteristic
- (d) **Odour threshold:** No Data
- (e) **pH:** No Data
- (f) **Melting point/freezing point:** No Data
- (g) **Initial boiling point and boiling range:** No Data
- (h) **Flash point:** No Data
- (i) **Evaporation rate:** No data
- (j) **Flammability(solid,gas):** No data
- (k) **Upper/lower flammability or explosive limits:** No Data
- (l) **Vapour pressure:** No Data
- (m) **Vapour density:** No Data
- (n) **Relative density(d20/20):** 0.900 ~ 0.1000
- (o) **Water Solubility:** insoluble
- (p) **Partition coefficient: n-octanol/water:** No Data
- (q) **Auto-ignition temperature:** No Data
- (r) **Decomposition temperature:** No Data
- (s) **Viscosity:** No Data
- (t) **Molecular weight:** No Data

SECTION 10: Stability and Reactivity

10.1. Chemical stability and possibility of hazardous reactions: Stable under recommended storage conditions.

10.2. Conditions to avoid: Avoid contact with heat, sparks, open flame and static discharge. Avoid any source of ignition. Avoid gross bacterial contamination

10.3. Incompatible materials: Strong oxidizing agents.

10.4. Hazardous decomposition products: Oxides of carbon

SECTION 11: Toxicological Information

	Butylene Glycol Dicaprylate/Dicaprate	Methyl Undecenoyl Dipeptide-16
○ Acute toxicity		No data
○ Oral(LD50)	LD50>2000mg/kg (rat)	No data
○ Dermal(LD50)	LD50>2000mg/kg (rat)	No data
○ Inhalation(LC50)	No data	No data
○ Skin corrosion/irritation	Not irritant	No data
○ Serious eye damage/irritation	Not irritant	No data
○ Respiratory sensitization	No data	No data
○ Skin sensitization	No data	No data
○ Carcinogenicity	No data	No data
○ Germ cell mutagenicity	No data	No data
○ Reproductive toxicity	No data	No data
○ Specific target organ toxicity (single exposure)	No data	No data

○ Specific target organ Toxicity (repeated exposure)	No data	No data
○ Aspiration hazard	No data	No data

SECTION 12: Ecological Information

(a) Ecotoxicity

	Butylene Glycol Dicaprylate/Dicaprate	Methyl Undecenoyl Dipeptide-16
Aquatic invertebrates	No data	No data
Algae and cyanobacteria	No data	No data
Fish	No data	No data
Microorganisms	No data	No data

(b) **Persistence and degradability:** No Data

(c) **Bioaccumulative potential:** No Data

(d) **Mobility in soil:** No Data

(e) **Results of PBT and vPvB assessment:** No Data

SECTION 13: Disposal Considerations

13.1. Product Information

Disposal required in compliance with all waste management related state and local regulations. The choice of the appropriate method of disposal depends on the product composition by the time of disposal as well as the local statutes and possibilities for disposal.

13.2. Uncleaned empty packaging

Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse.

SECTION 14: Transportation Information

UN Number: Not Applicable

Proper Shipping Name: Not Applicable

Transportation Class : Not Applicable

Packing Group : Not Applicable

Marine Pollutant : Not Applicable

SECTION 15: Regulatory Information

	Butylene Glycol Dicaprylate/Dicaprate	Methyl Undecenoyl Dipeptide-16
Australia(AICS)	Not Listed	Not Listed
China(IECSC)	Not Listed	Not Listed
Canada(DSL)	Not Listed	Not Listed
Europe(EINECS)	Not Listed	Not Listed
Japan(ENCS)	Not Listed	Not Listed
Korea(ECL)	Not Listed	Not Listed
New Zealand(NZIoC)	Not Listed	Not Listed
USA(TSCA)	Not Listed	Not Listed

Taiwan(TCSI)	Not Listed	Not Listed
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SECTION 16: Other Information

Sources of key data used to compile the datasheet

Information contained in this safety data sheet is referred to the safety data sheet of Butylene glycol dicaprylate/dicaprate(Miwon)

Beadtech owned data.

Disclaimer

For industrial use only. The information contained herein is accurate to the best of our knowledge. We do not suggest or guarantee that any hazards listed herein are the only ones which exist. We make no warranty of any kind, express or implied, concerning the safe use of this material in your process or in combination with other substances. User has the sole responsibility to determine the suitability of the materials for any use and the manner of use contemplated. User must meet all applicable safety and health standards.

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