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| MATERIAL SAFETY DATA SHEET | Document No. | BT-MSDS475 |
| | Rev. No. | 01 |
| | Rev. Date | 2022. 08. 16 |

I. General Information

- A. Product Name/Catalogue Number
: AFIAS Vitamin D Neo / SMFP-108
- B. Recommended use of the chemical and restriction on use
- Recommended use: In vitro diagnostic Medical Device
 - Restriction on use: For in vitro diagnostic use only.
- C. Manufacturer
: Boditech Med Inc.
- D. Address
: 43, Geodudanji 1-gil, Dongnae-myeon, Chuncheon-si, Gangwon-do, Korea
- E. Emergency Phone No.
: +82-33-243-1400

II. Hazard Identification

GHS classification of the product and national or regional

| | |
|--------------------|----------------|
| | Cartridge |
| GHS classification | Not applicable |
| IMDG Code | Not applicable |

GHS label elements including precautionary

| | |
|-------------------|-------------------|
| | Cartridge |
| Symbols | No data available |
| Signal word | No data available |
| Hazard statements | No data available |

Precautionary statements

| | |
|------------|-------------------|
| | Cartridge |
| Prevention | No data available |
| Reaction | No data available |
| Storage | No data available |
| Disposal | No data available |

Other hazards

| | | |
|------|-------------------|--------------------|
| | Cartridge | |
| | Test strip | Housing |
| | | Health: 0 |
| NEPA | No data available | Flammability: 0 |
| | | Physical hazard: 0 |

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|-----------------------------------|--------------|--------------|
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| | Rev. No. | 01 |
| | Rev. Date | 2022. 08. 16 |

III. Composition/Information on Ingredients

[Cartridge]

| | Component | Synonyms | Classification No. | Amount |
|---------|--|----------|--------------------|-----------|
| Housing | 2-Methyl-2-propenoic acid methyl ester homopolymer | PMMA | 9011-14-7 | 57-67 (%) |
| | 2-Propenenitrile polymer with 1,3-butadiene and ethenylbenzene | ABS | 9003-56-9 | 33-43 (%) |

IV. First Aid Measures

- In case of eye contact
 - : Remove from source of exposure. Wash with copious amounts of water for at least 15 minutes. If irritation or signs of toxicity occur, seek medical attention.
- In case of skin contact
 - : Remove from source of exposure. Wash affected area with soap and water. If irritation or signs of toxicity occur, seek medical attention.
- If inhaled
 - : Get medical attention immediately. Remove to fresh air. If not breathe, give cardiopulmonary resuscitation. If breathing is difficult, give oxygen and continue to monitoring.
- If swallowed
 - : If irritation or signs of toxicity occur, seek medical attention.
- * The following symptoms may occur: Irreversible eye damage.
- * Medical conditions aggravated by exposure: Pre-existing eye ailments. Hypersensitivity.
- * This material should be considered as being potentially infectious.

V. Fire Fighting Measures

- Recommended extinguishing media
 - : Suitable extinguishing agents including CO₂, WATER SPRAY or regular form.
- Specific hazard from the chemical
 - : Non-flammable, Corrosive or toxic gases and fume may be occurred in fire-emergency. Inhalation may be harmful.
- Special measure for fire-fighters
 - : Rescuers need to note the personal protective equipment. If not danger, remove containers. Non-flammable, Corrosive or toxic gases and fume may be occurred in fire-emergency. Inhalation may be harmful.
- Protective Equipment and precautions for Fire fighters
 - : Chemical resisted protective equipment for fire-fighter.

VI. Accidental Release Measures

- Personal precautions
 - * If not danger, stop to leak

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|-----------------------------------|--------------|--------------|
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| | Rev. No. | 01 |
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- * Do not contact with exposed material without protective equipment
- * Note the avoid conditions and materials
- * Do not breathe dust / fume / gas / mist / vapours / spray
- Environmental precautions
- : No data available
- Methods and materials for purification and cleaning up
- : After absorbed exposed materials, clean up with cleaner and water

VII. Handling and Storage

- Precaution for safe handling
- * Avoid skin friction.
- * Note the avoid conditions and materials from fire or flame.
- * Protective equipment: Chemical resisted protective goggles, gloves, clothes and mask
- Method for safe handling
- * Note the avoid conditions and materials.
- * Store container tightly closed in a well-ventilated area.
- * Storage temperature: low temperature

VIII. Exposure controls and Personal protection

- Engineering management
- : Good insulation and ventilation should be sufficient to control airborne levels.
- Personal protective equipment

| | |
|--------------------------|--|
| Respiratory protection | Chemical resisted respiratory protection |
| Hand protection | Chemical resisted protective gloves |
| Eye protection | Chemical resisted eye protection |
| Skin and body protection | Chemical resisted protective clothes |

- Standard of exposure

| | |
|------------|-------------------|
| Chemical | No data available |
| Biological | No data available |

IX. Physical and Chemical properties

| | | |
|-----------|-------------------|--|
| Cartridge | | |
| | Test strip | Housing |
| State | No data available | Natural color or pigment processed color |

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|-----------------------------------|--------------|--------------|
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| | Rev. Date | 2022. 08. 16 |

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| Odor | Odorless | Little odorless |
| Odor threshold value | No data available | No data available |
| pH | No data available | Natural |
| Melting/ Freezing point | No data available | 180 ~ 200°C/ No data available |
| Initial boiling point or boiling range | No data available | No data available |
| Flash point | No flash occurred under 90 °C (Closed-cup) | |
| Evaporating rate | No data available | No data available |
| Lower explosion limit | No data available | No data available |
| Upper explosion limit | No data available | No data available |
| Vapor pressure | No data available | No data available |
| Water solubility | No data available | Not soluble in water, soluble in acetone |
| Density | No data available | 1.11 |
| Vapor density | No data available | No data available |
| Specific gravity | No data available (water=1) | No data available (water=1) |
| N-octan/water partition coefficient | No data available | No data available |
| Auto-ignition temperature | No data available | No data available |
| Decomposition temperature | No data available | No data available |
| Viscosity | No data available | No data available |
| Molecular weight | No data available | 50,000 ~ 250,000 |

X. Stability and Reactivity

| | Cartridge | |
|--|--|---|
| | Test strip | Housing |
| Chemical stability | - Irritation or toxic gases and fume may be occurred in fire-emergency - Inhalation may harmful | - Stable at high temperature and pressure |
| Conditions to avoid | Heat, high temperature | Heat, high temperature above 200°C |
| Materials to avoid | No data available | Oxidizing agent: fire or explosive risk |
| Hazardous decomposition products formed under fire | Irritation or toxic gases and fume may be occurred in fire-emergency | |

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|-----------------------------------|--------------|--------------|
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conditions

XI. Toxicological Information

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| Information on the likely routes of exposure | No data available |
| Acute toxicity | No data available |
| Skin corrosion/Irritation | No data available |
| Serious eye damage/Eye irritation | No data available |
| Respiratory/Skin sensitization | No data available |
| Germ cell mutagenicity | No data available |
| Carcinogenicity | No data available |
| Reproductive toxicity | No data available |
| Specific target organ toxicity (single exposure) | No data available |
| Specific target organ toxicity (repeated exposure) | No data available |
| Aspiration hazard | No data available |

XII. Ecological Information

| | |
|-------------------------------|-------------------|
| Toxicity | No data available |
| Persistence and degradability | No data available |
| Bio-accumulative potential | No data available |
| Mobility in soil | No data available |
| Other adverse effects | No data available |

XIII. Disposal Considerations

| | | |
|-----------|------------|---|
| Cartridge | Test strip | Not available |
| | Housing | Consider the notice on Waste management act |

XIV. Transport Information

| | |
|-----------|-------------------|
| IMDG Code | No data available |
| DRF | No data available |
| RID | No data available |

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|-----------------------------------|--------------|--------------|
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| ADR | No data available |
| AND | No data available |
| IATA | Not regulated as dangerous goods |
| - Not a dangerous good under DOT, IATA, ADR, IMDG or RID | |

XV. Regulatory Information

| | |
|--|-------------------|
| Korea Industrial Safety and Health Act | No data available |
| Korea Hazardous Materials Safety Control Act | No data available |
| Korea Toxic Chemical Control Act | No data available |
| Korea Wastes Control Act | No data available |
| Other internal and foreign acts | No data available |

XVI. Other Notes

Limitations: The information and recommendations set forth in this MSDS are believed to be correct as of this date.