

SAFETY DATA SHEET

1. Identification

| | |
|-----------------------------------|--|
| Product Name | BT474 FFPE Cell Pellet Block |
| Catalog Number | 3010-0510 |
| Chemical Formula | Not applicable |
| CAS# | Not applicable |
| Recommended Use | For research use only |
| Supplier's details | AMS Biotechnology (Europe) Limited 184 Park Drive, Milton Park, Abingdon, Oxon, OX14 4SE, UK |
| Emergency Telephone Number | +44 (0) 1235 828 200 |
| Hours of operation | 8am to 6pm GMT |

2. Hazard(s) identification

| | |
|--|--|
| OSHA/HCS status | While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains information important to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product. |
| Classification | Not classified |
| GHS label elements | |
| Signal word | No signal word |
| Hazard statement | No known significant effects or critical hazards |
| Precautionary statement | Not applicable |
| Prevention | Not applicable |
| Response | Not applicable |
| Storage | Not applicable |
| Disposal | Not applicable |
| Hazard not otherwise classified | None known |

3. Composition/information on ingredients

| | |
|--------------------------------------|----------------|
| Substance/mixture | Mixture |
| Other means of identification | Not applicable |
| CAS number/other identifiers | |
| CAS number | Not applicable |
| Ingredients | |

| Ingredient Name | % of weight | CAS Number |
|--------------------------------------|-------------|------------|
| Paraffin waxes and Hydrocarbon waxes | 60-95% | 8002-74-2 |

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section. Occupational exposure limits, if available, are listed in Section 8.

4. First aid measures

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Description of necessary first aid measures

| | |
|---------------------|---|
| Eye contact | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Obtain medical attention. |
| Inhalation | Remove from exposure, lie down. Move to fresh air. If not breathing, give artificial respiration. Obtain medical attention. |
| Skin contact | Wash off immediately with soap and plenty of water. Obtain medical attention. |
| Ingestion | Do not induce vomiting. Never give anything by mouth to an unconscious person. Drink plenty of water. Get medical attention. If possible drink milk afterwards. |

Most important symptoms/effects, acute and delayed

Potential acute health effects

| | |
|---------------------|---|
| Eye contact | No known significant effects or critical hazards. |
| Inhalation | No known significant effects or critical hazards. |
| Skin contact | No known significant effects or critical hazards. |
| Ingestion | No known significant effects or critical hazards. |

Over-exposure signs/symptoms

| | |
|---------------------|-------------------|
| Eye contact | No specific data. |
| Inhalation | No specific data. |
| Skin contact | No specific data. |
| Ingestion | No specific data. |

Indication of immediate medical attention and special treatment needed, if necessary

| | |
|-----------------------------------|--|
| Notes to physician | Treat symptomatically. |
| Specific treatments | No specific treatment. |
| Protection of first-aiders | No action shall be taken involving any personal risk or without suitable training. |

5. Fire-fighting measures

Extinguishing media

| | |
|---------------------------------------|--|
| Suitable extinguishing media | Water spray. Carbon dioxide (CO ₂). Dry chemical. Chemical foam. |
| Unsuitable Extinguishing Media | No information |
| Flash Point | 198 °C / 388.4 °F |

Explosion Limits

| | |
|---|--------------------------|
| Upper | No data available |
| Lower | No data available |
| Sensitivity to Mechanical Impact | No information available |
| Sensitivity to Static Discharge | No information available |

Specific Hazards Arising from the Chemical

Keep product and empty container away from heat and sources of ignition.

Hazardous Combustion Products

Carbon monoxide (CO) Carbon dioxide (CO₂)

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

NFPA

| | |
|-------------------------|-----|
| Health | 0 |
| Flammability | 1 |
| Instability | 0 |
| Physical hazards | N/A |

| | | |
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6. Accidental release measures

Personal Precautions Ensure adequate ventilation. Use personal protective equipment.

Environmental Precautions See Section 12 for additional ecological information.

Methods for Containment and Clean Up Sweep up or vacuum up spillage and collect in suitable container for disposal.

7. Handling and storage

Handling Avoid contact with skin and eyes. Do not breathe dust.

Storage Keep containers tightly closed in a dry, cool and well-ventilated place.

8. Exposure controls/personal protection

Exposure Guidelines

| Component | ACGIH TLV | OSHA PEL | NIOSH IDLH | Mexico OEL (TWA) |
|--------------------------------------|---------------------------------------|--------------------------|--------------------------|---|
| Paraffin waxes and Hydrocarbon waxes | TWA: 2 mg/m ³ (Vacated) | TWA: 2 mg/m ³ | TWA: 2 mg/m ³ | TWA: 2 mg/m ³ STEL: 6 mg/m ³ |

ACGIH - American Conference of Governmental Industrial Hygienists

OSHA - Occupational Safety and Health Administration

NIOSH IDLH - The National Institute for Occupational Safety and Health Immediately Dangerous to Life or Health

Engineering Measures None under normal use conditions.

Personal Protective Equipment

Eye/face Protection Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin and body protection Wear appropriate protective gloves and clothing to prevent skin exposure.

Respiratory Protection No protective equipment is needed under normal use conditions.

Hygiene Measures Handle in accordance with good industrial hygiene and safety practice.

9. Physical and chemical properties

Appearance

Physical State Solid

Color White to semi-transparent

Odor Odorless

Odor Threshold No information available

pH Not applicable

Melting Point/Range No information available

Boiling Point/Range No information available

Flash Point No information available

Evaporation Rate Not applicable

Flammability (solid,gas) No information available

Flammability or explosive limits

Upper No data available

Lower No data available

Vapor Pressure No information available

Vapor Density Not applicable

Specific Gravity No information available

Solubility Insoluble in water

| | | |
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Partition coefficient; n-octanol/water No data available
Autoignition Temperature No information available
Decomposition Temperature No information available
Viscosity Not applicable

10. Stability and reactivity

Reactive Hazard None known, based on information available
Stability Stable under normal conditions
Conditions to Avoid Incompatible products
Incompatible Materials No information available
Hazardous Decomposition Products Carbon monoxide (CO), Carbon dioxide (CO2)
Hazardous Polymerization Hazardous polymerization does not occur.
Hazardous Reactions None under normal processing.

11. Toxicological information

Acute Toxicity
Product/component Information

| Component | LD50 Oral | LD50 Dermal | LC50 Inhalation |
|--------------------------------------|---------------------------|-------------------------|-----------------|
| Paraffin waxes and Hydrocarbon waxes | LD50 > 3750 mg/kg (Rat) | > 3600 mg/kg (Rabbit) | Not listed |

Toxicologically Synergistic Products No information available
Delayed and immediate effects as well as chronic effects from short and long-term exposure
Irritation No information available
Sensitization No information available
Carcinogenicity The table below indicates whether each agency has listed any ingredient as a carcinogen.

| Component | CAS-No | IARC | NTP | ACGIH | OSHA | Mexico |
|--------------------------------------|-----------|------------|------------|------------|------------|------------|
| Paraffin waxes and Hydrocarbon waxes | 8002-74-2 | Not listed | Not listed | Not listed | Not listed | Not listed |

Mutagenic Effects No information available
Reproductive Effects No information available
Developmental Effects No information available
Teratogenicity No information available
STOT - single exposure Carbon monoxide (CO), Carbon dioxide (CO2)
STOT - repeated exposure Hazardous polymerization does not occur.
Aspiration hazard None under normal processing.
Symptoms / effects, both acute and delayed No information available
Endocrine Disruptor Information No information available
Other Adverse Effects The toxicological properties have not been fully investigated.

12. Ecological information

Ecotoxicity
Persistence and Degradability Insoluble in water

| | | |
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Bioaccumulation/ Accumulation No information available.
Mobility Is not likely mobile in the environment due its low water solubility.

13. Disposal considerations

Waste Disposal Methods Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.

14. Transport information

DOT Not regulated
TDG Not regulated
IATA Not regulated
IMDG/IMO Not regulated

15. Regulatory information

All of the components in the product are on the following Inventory lists: X = listed

International Inventories

| Component | TSCA | DSL | NDSL | EINECS | ELINCS | NLP | PICCS | ENCS | AICS | IECSC | KECL |
|--------------------------------------|------|-----|------|-----------|--------|-----|-------|------|------|-------|------|
| Paraffin waxes and Hydrocarbon waxes | X | X | - | 232-315-6 | - | | X | X | X | X | X |

- X - Listed
- E - Indicates a substance that is the subject of a Section 5(e) Consent order under TSCA.
- F - Indicates a substance that is the subject of a Section 5(f) Rule under TSCA.
- N - Indicates a polymeric substance containing no free-radical initiator in its inventory name but is considered to cover the designated polymer made with any free-radical initiator regardless of the amount used.
- P - Indicates a commenced PMN substance
- R - Indicates a substance that is the subject of a Section 6 risk management rule under TSCA.
- S - Indicates a substance that is identified in a proposed or final Significant New Use Rule
- T - Indicates a substance that is the subject of a Section 4 test rule under TSCA.
- XU - Indicates a substance exempt from reporting under the Inventory Update Rule, i.e. Partial Updating of the TSCA Inventory Data Base Production and Site Reports (40 CFR 710(B)).
- Y1 - Indicates an exempt polymer that has a number-average molecular weight of 1,000 or greater.
- Y2 - Indicates an exempt polymer that is a polyester and is made only from reactants included in a specified list of low concern reactants that comprises one of the eligibility criteria for the exemption rule.

U.S. Federal Regulations

TSCA 12(b) Not applicable
SARA 313 Not applicable
SARA 311/312 Hazard Categories
Acute Health Hazard No
Chronic Health Hazard No
Fire Hazard No
Sudden Release of Pressure Hazard No
Reactive Hazard No

CWA (Clean Water Act) Not applicable
Clean Air Act Not applicable
OSHA Not applicable
CERCLA Not applicable
California Proposition 65 This product does not contain any Proposition 65 chemicals

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U.S. State Right-to-Know Regulations

| Component | Massachusetts | New Jersey | Pennsylvania | Illinois | Rhode Island |
|--------------------------------------|---------------|------------|--------------|----------|--------------|
| Paraffin waxes and Hydrocarbon waxes | X | X | X | - | X |

U.S. Department of Transportation

| | |
|-----------------------------|---|
| Reportable Quantity (RQ) | N |
| DOT Marine Pollutant | N |
| DOT Severe Marine Pollutant | N |

U.S. Department of Homeland Security

This product does not contain any DHS chemicals.

Other International Regulations

| | |
|----------------|--------------------------|
| Mexico - Grade | No information available |
|----------------|--------------------------|

16. Other information

| | |
|---------------|---------------------|
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Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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