

MATERIAL SAFETY DATA SHEET

(In accordance with COMMISSION REGULATION (EU) No 830/2015)
- UPCYTE® CELL CULTURE MEDIA -

General Information

This Material Safety Data Sheet (MSDS) has been written in accordance with the European Union Council Directive 98/24/EC of 7th April on the protection of the health and safety of workers from the risks related to chemical agents at work (fourteenth individual directive within the meaning of Article 16(1) of the Directive 89/391/EEC).

Commission Directive 2001/58/EC of 27th July 2001 amending for the second time Directive 91/155/EEC defining and laying down the detailed arrangements for the system of information relating to dangerous preparations in implementation of Article 14 of the European Parliament Directive 1999/45/EC and relating to dangerous substances in implementation of Article 27 of Council Directive 67/548/EEC (safety data sheets). Appropriate risk and safety phrases are cited in this MSDS.

Section 1: Substance Identity and Company Information

Product Name: various upcyte® cell culture media and corresponding supplements

Catalog No.: various, **all products starting with M, e.g. MHE002, MLS002**

Chemical Name Not Applicable

REACH registration number No registration number is given yet since the annual import quantity is less than one tonnage per annum or the transition period for its registration according to Article 23 of REACH has not yet expired.

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Email: info@upcyte.com

Section 2: Hazard Identification

Classification of the substance or mixture: Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008. Not a hazardous substance or mixture according to EC-directives 67/548/EEC or 1999/45/EC.

Other hazards: None.

Label elements - Labelling according to Regulation (EC) No 1272/2008 [CLP] - The product does not need to be labelled in accordance with EC directives or respective national laws.

Hazard pictograms, Signal Word: None.

Hazard Statements, EU Specific Hazard Statements: Not Applicable.

Precautionary Statements (Prevention, Response, Storage, Disposal): Not Applicable.

Section 3: Composition and Information on Ingredients

No components need to be disclosed according to the applicable regulations. In brief, upcyte® cell culture media contain a mixture of components that may include, but is not limited to: inorganic salts, vitamins, amino acids, carbohydrates and other nutrients dissolved in water.

Section 4: First Aid Measures

Ingestion: If person is unconscious seek emergency medical attention; never give anything by mouth to an unconscious person. If the person is conscious wash mouth out with copious amounts of water and call a physician. Do not induce vomiting unless directed to do so by a physician.

Inhalation: If breathed in, move person into fresh air. If not breathing, give artificial respiration.

Dermal exposure: Wash skin with soap and plenty of water.

Eye exposures: Flush eyes with copious amounts of water for at least 15 minutes with eyelids separated and call a physician.

Notes to Physician: Treat symptomatically and supportively.

Section 5: Fire Fighting Measures

General: Wear Self-Contained breathing apparatus in pressure demand, MSHA/NIOSH approved. During a fire, irritating and toxic gases may be generated by thermal decomposition.

Extinguishing media: Water spray, carbon dioxide, dry chemical powder, Halon (where regulations permit), or appropriate foam.

Autoignition temperature: Not Available.

Explosion limits: Not Available.

Flash point: Not Available.

Section 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures: Avoid breathing vapors, mist or gas. For personal protection see section 8.

Environmental precautions: None required.

Methods and materials for containment and cleaning up: keep in suitable, closed containers for disposal. For disposal see section 13.

Section 7: Handling and Storage

Handle and store according to instructions on product information sheet and label.

Special Requirements: Follow established laboratory procedures when handling material.

Specific end use(s): For research use only.

Section 8: Exposure Controls / Personal Protection

Engineering Controls: General industrial hygiene practice.

Personal Protective Equipment: Including Safety Glasses or goggles, Chemical Resistant Gloves, and appropriate clothing to prevent skin exposure. In addition, a Respiratory protection program that complies with OSHA 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant respirator use.

Exposure Limits: No exposure limits for this material have been established by ACGIH, NIOSH, or OSHA. There are no Vacated OSHA PEL for this material.

Environmental Exposure Controls: No information available.

Section 9: Physical and Chemical Properties

Physical State: frozen or freeze dried

No Information is available for PH, Vapor Pressure, Vapor Density, Evaporation Rate, Viscosity, Freezing/Melting/Boiling Point, Flash Point, Autoignition Temperature, Decomposition Temperature, Evaporation Rate, Flammability (solid, gas), Upper & Lower Explosion Limit, Vapour Pressure, Solubility, Specific Gravity/Density, Partition Coefficient, Viscosity, Explosive and Oxidising Properties or Molecular Weight.

Section 10: Stability and Reactivity

Chemical Stability: Stable under normal conditions

Conditions to Avoid: No information available.

Reactivity & Incompatible materials: No information available.

Hazardous Decomposition Products: No information available.

Hazardous Polymerization: Will not occur.

Section 11: Toxicological Information

Information on toxicological effects: No Information was found in relation to:

- (a) acute toxicity;
- (b) skin corrosion/irritation;
- (c) serious eye damage/irritation;
- (d) respiratory or skin sensitisation;
- (e) germ cell mutagenicity;
- (f) carcinogenicity;
- (g) reproductive toxicity;
- (h) STOT-single exposure;

- (i) STOT-repeated exposure;
- (j) aspiration hazard.

Additionally, no data available: Effects of Long Term or Repeated Exposure, Chronic Exposure–Teratogen, Chronic Exposure–Mutagen, Chronic Exposure–Reproductive Hazard, RTECS, LD50/LC50, Epidemiology, Teratogenicity or Neurotoxicology. Note: The toxicological properties of this substance have not been fully investigated.

Section 12: Ecological Information

Toxicity: No ecological information available.
Persistence and degradability: No information available.
Bio-accumulative potential: No information available.
Other adverse effects: No information available.

Section 13: Disposal Considerations

Wear a laboratory coat and protective laboratory gloves.
Spillage: Place paper towels or other absorbent material in case of spillage.
Waste Disposal: Dispose of liquid waste down a designated sink with running water.

Section 14: Transport Information

Additional information arising from the Carriage of Dangerous Goods by Road & Air (Classification, Packaging and Labelling) Regulations: UN no: 1845- Dry Ice. Dry ice not deemed dangerous by road transport only air.
Packing group: 3 - lowest grade of packaging.

Section 15: Regulatory Information

Chemical safety assessment: No Chemical safety assessment has been carried out.

upcyte technologies confirms that all necessary licenses (import, holding, transfer and export) required for the consignment of this material are in place. This organism/material may be covered by German or International legislation.

Section 16: Other Information

Reason for revision: Update according to Commission Regulation (EU) No 830/2015
Revision number: 2
Revision date: 07-April-2021

THE INFORMATION PRESENTED IN THIS DOCUMENT IS BELIEVED TO BE CORRECT BASED UPON THE AVAILABLE DATA. USERS SHOULD MAKE AN INDEPENDENT DECISION REGARDING THE ACCURACY OF THIS INFORMATION BASED ON THEIR NEEDS AND DATA AVAILABLE TO THEM. ALL SUBSTANCES AND MIXTURES MAY PRESENT UNKNOWN HAZARDS AND ALL NECESSARY SAFETY PRECAUTIONS SHOULD BE TAKEN. UPCYTE TECHNOLOGIES ASSUMES NO LIABILITY RESULTING FROM USING OR COMING IN CONTACT WITH THIS SUBSTANCE.

In the event of an accident involving exposure of a person to the material contained in the samples, contact upcyte technologies during normal German working hours. Refer to section 1 for full contact details.

The above information is correct to the best of our knowledge. All materials and mixtures may present unknown hazards and should be used with caution.

The user should make independent assessments and decisions regarding the completeness of the information based on all sources available.

upcyte technologies shall not be held liable for any damage resulting from handling or contact with the above product.