

Safety Data Sheet

Section 1: Identification

Product Name: Human Cord Blood Mononuclear Cells – MNC
Product Cat No.: UBP-006
Company Name: Mononuclear Therapeutics Limited
Company Address: Unit 206, 16W, Hong Kong Science Park, Shatin, New Territories, Hong Kong
Tel: +852-3997 1726
Email: enquiry@monotx.com

Section 2: Hazard(s) Identification

GHS Symbol: NA
Signal Word: NA
HMIS Rating: Health: 0 Flammability: 0 Reactivity: 0
NFPA Rating: Health: 0 Flammability: 0 Reactivity: 0

For Biosafety Level 2 Cell Cultures

Handle as a potentially biohazardous material under at least Biosafety Level 2 containment. These cells are associated with human disease, hazards include: percutaneous injury, ingestion, mucous membrane exposure (U.S. Government Publication Biosafety in Microbiological and Biomedical Laboratories). These cells have NOT been screened for adventitious agents unless otherwise reported in the Certificate of Analysis. Regardless of results reported on the Certificate of Analysis, Universal Precautions on bloodborne pathogens (according to 29 CFR 1910.1030) should be followed at all times when manipulating these cell lines.

Routes of exposure:

Eye Contact: Data not available
Skin Contact: Data not available
Skin Absorption: Data not available
Inhalation: Data not available
Ingestion: Data not available
Parenteral Exposure: Data not available

Section 3: Composition/ Information on Ingredients

Various Animal Cell Cultures at Biosafety Level 2

Frozen cells are shipped in isotonic solution containing 9-11% dimethyl sulfoxide (DMSO).

This substance contains no ingredients at concentrations to be considered hazardous as defined by OSHA 29CFR 1910.1200 however this product should be handled according to good lab practices, with proper personal protective equipment, proper engineering controls and within the parameters of the purchaser's chemical hygiene plan.

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Section 4: First-Aid Measures

After skin contact: Immediately flush skin with plenty of water and wash with soap and water for at least 15 minutes and remove contaminated clothing and shower. Former should be washed thoroughly before reuse. Get medical attention if any symptom of irritation or discomfort occur.

After eye contact: Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes. Assure adequate flushing by separating eyelids. Get medical attention if any symptoms occur.

After inhalation: Move to fresh air. If any respiratory symptoms occur, get medical attention. If breathing becomes difficult, give oxygen. If breathing stops, administer artificial respiration.

After swallowing: If swallowed, wash out mouth with water provided person is conscious. Call a physician or poison control.

Section 5: Fire-Fighting Measures

Extinguishing media: Any media suitable for surrounding fire. No unusual fire or explosion hazards.

Autoignition Temperature: N/A

Explosion Limits: N/A

Flash Point: Data not available

Section 6: Accidental Release Measures

Use Personal Protective Equipment: Including chemical splash 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.

Methods for Cleaning Up

Patient/Victim: Wash with soap and water. Work clothes should be laundered separately. Launder contaminated clothing before re-use. Do not take clothing home.

Equipment/Environment: Allow aerosols to settle; wearing protective clothing, gently cover spill with paper towel and apply 1% sodium hypochlorite (bleach), starting at perimeter and working towards the center; allow sufficient contact time before clean-up (30 min).

Note: The use of additional PPE may be necessary for cleaning solutions.

Section 7: Handling and Storage

This product should be stored as recommended on the product label. Refer to the Storage section of the product insert for further information.

The product should only be handled and used by qualified, trained professionals.

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Section 8: Exposure Controls/Personal Protection

It is recommended that all laboratory personnel follow standard laboratory safety precautions taken while handling chemicals.

Keep all container tightly closed and use a product in a dry and well-ventilated place. Direct physical contact with all components in this product should be avoided. Avoid inhalation. Do not pipet by mouth. Avoid prolonged or repeated exposure. Avoid contact with skin, eyes and clothing. Wear lab coats and disposable gloves when handling. Wipe up spills immediately and clean affected surfaces.

General protective and hygienic measures: Wash hands before breaks and at the end of workday.

Breathing equipment: No personal respiratory protective equipment normally required.

Protection of hands: cryo-gloves is recommended for storing and releasing samples from liquid nitrogen. General protective gloves for cell culture.

Eye protection: Safety glasses with side-shields

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.

Section 9: Physical and Chemical Properties

Form: Frozen

Color: Dull Reddish

Odor: None detectable

pH: Not applicable

Melting point: Not applicable

Boiling point: Not applicable

Flash point: Not applicable

Flammability: Not Flammable

Auto flammability: Do not occur.

Vapor pressure: Not applicable

Solubility in water: Easily soluble

Section 10: Stability and Reactivity

This product is stable until the expiration date indicated on the product label under the specific storage condition.

Section 11: Toxicological Information

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Not Applicable

Note: The toxicological properties of this substance have not been fully investigated.

Section 12: Ecological Information

No ecological information available.

Section 13: Disposal Considerations

Observe all federal, state and local environmental regulations.

Section 14: Transport Information

This substance is considered to be non-hazardous for ground or air transport.

Section 15: Regulatory Information

Not Applicable

Section 16: Other Information

For Research use only. Not intended for human or animal diagnostic or therapeutic use.

The information herein is believed to be correct but is provided without warranty of any kind and shall be used as a guide. The recipient of our product is responsible for ensuring that, where applicable, existing laws and guidelines are observed. The burden of safe use of these materials rests solely with the user

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