

MATERIAL SAFETY DATA SHEET

Tek-Select Specimen Freezing Medium #SFM-2C

FILE NO.:
MSDS DATE: 01/01/12

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Tek-Select Specimen Freezing Medium

SYNONYMS:

PRODUCT CODES: #SFM-2C

MANUFACTURER: **IMEB Inc.**

ADDRESS: 170 Vallecitos De Oro, San Marcos, CA 92069

EMERGENCY PHONE:

CHEMTREC PHONE: 800-424-9300

OTHER CALLS: 800-543-8496

FAX PHONE:

CHEMICAL NAME: Frozen Embedding Matrix

CHEMICAL FAMILY:

CHEMICAL FORMULA:

PRODUCT USE:

PREPARED BY:

SECTION 1 NOTES:

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT:

	<u>CAS NO.</u>	<u>% WT</u>	<u>% VOL</u>
Polyethylene Glycol	025322683		<10
Polyvinyl alcohol	025213245		<13
Non-Reactive Ingredient	007732185		<77

	<u>ppm</u>	<u>mg/m3</u>
OSHA PEL-TWA:	Na	Na
OSHA PEL STEL : :	Na	Na
OSHA PEL CEILING: :	Na	Na

ACGIH TLV-TWA:
ACGIH TLV STEL:
ACGIH TLV CEILING:

SECTION 2 NOTES:

SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: None Determined

ROUTES OF ENTRY: None

POTENTIAL HEALTH EFFECTS

EYES:

SKIN:

INGESTION:

INHALATION:

ACUTE HEALTH HAZARDS:

CHRONIC HEALTH HAZARDS:

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MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: NE

CARCINOGENICITY

OSHA:

ACGIH:

NTP:

IARC:

OTHER:

SECTION 3 NOTES:

SECTION 4: FIRST AID MEASURES

EYES: Flush eyes with water for at least 15 minutes.

SKIN: Wash affected area with soap and water, then with water.

INGESTION: Induce vomiting as directed by medical personnel

INHALATION: Do not inhale.

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:

SECTION 4 NOTES:

SECTION 5: FIRE-FIGHTING MEASURES

FLAMMABLE LIMITS IN AIR: This product is not a flammable solid.

FLASH POINT:

F: Greater than 450°

C: NA

METHOD USED:

AUTOIGNITION TEMPERATURE:

F: NA

C: NA

NFPA HAZARD CLASSIFICATION

HEALTH:

FLAMMABILITY:

REACTIVITY:

OTHER:

HMIS HAZARD CLASSIFICATION

HEALTH: 0

FLAMMABILITY: 0

REACTIVITY: 0

PROTECTION:

EXTINGUISHING MEDIA: Water, carbon dioxide, dry chemical powder, foam. Use medium necessary for surrounding fire.

SPECIAL FIRE FIGHTING PROCEDURES: Firefighters must wear self-contained breathing apparatus and fully protective equipment.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

HAZARDOUS DECOMPOSITION PRODUCTS:

SECTION 5 NOTES:

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SECTION 6: ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES: Spills: Contain spill. Absorb using suitable media.

SECTION 7: HANDLING AND STORAGE

HANDLING AND STORAGE: Store in a cool, well-ventilated area. All electrical equipment in storage and/or handling areas should be installed in accordance with applicable requirements of the National Electrical Code (NEC). Avoid contact with eyes, skin, and clothing. Avoid breathing mists.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

RESPIRATORY PROTECTION: Not normally required. General mechanical or local exhaust should be used to maintain low exposure levels. Avoid prolonged periods of directly breathing vapors. In absence of proper environmental controls, the use of a NIOSH/OSHA respirator is recommended. Respirator use should comply with OSHA 29 CFR 1910.134.

Protective Equipment: Use appropriate resistant gloves, chemical splash goggles, and normal laboratory work clothing.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Translucent Liquid

PHYSICAL STATE:

pH AS SUPPLIED:

pH (Other):

BOILING POINT:

F: 212°

C:

MELTING POINT:

F: 32°

C:

FREEZING POINT:

F:

C:

VAPOR PRESSURE (mmHg):NA

@

F:

C:

VAPOR DENSITY (AIR = 1):NA

@

F:

C:

SPECIFIC GRAVITY (H₂O = 1):

@ 1.03

F:

C:

EVAPORATION RATE: 1 ATM and 25° C (77°F) (n-Butyl Acetate =1)

BASIS (=1):

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (con't)

SOLUBILITY IN WATER: 1 ATM and 25°C (77°F)

SECTION 10: STABILITY AND REACTIVITY

STABLE

UNSTABLE

STABILITY: Stable

CONDITIONS TO AVOID (STABILITY):

INCOMPATIBILITY (MATERIAL TO AVOID): Avoid Contact with strong oxidizing agents.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:

HAZARDOUS POLYMERIZATION: Will not occur

CONDITIONS TO AVOID (POLYMERIZATION):

SECTION 10 NOTES:

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: **Chronic Effects of Overexposure:** No chronic effects of overexposure are currently known.

Carcinogen or Suspected Carcinogens: Components are not listed as a carcinogen or suspected carcinogens.

Medical Conditions Aggravated by Exposure: None currently known.

Acute Exposure Effects:

Inhalation: Inhalation of mists may cause minor respiratory irritation.

Ingestion: Swallowing may cause gastrointestinal irritation.

Skin Contact: Prolonged contact may cause mild discomfort.

Eye Contact: May cause mild irritation.

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: Ecological effects of this mixture have not been determined.

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Dispose of in accordance with all applicable local, state, and federal regulations.

RCRA HAZARD CLASS: Not Listed

SECTION 14: TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION

PROPER SHIPPING NAME: None Assigned

HAZARD CLASS: : None Assigned

ID NUMBER:

PACKING GROUP:

LABEL STATEMENT:

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SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS

TSCA (TOXIC SUBSTANCE CONTROL ACT):

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): Not Listed

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT): Not Listed

311/312 HAZARD CATEGORIES:

313 REPORTABLE INGREDIENTS:

STATE REGULATIONS:

INTERNATIONAL REGULATIONS:

SECTION 15 NOTES:

SECTION 16: OTHER INFORMATION

OTHER INFORMATION:

PREPARATION INFORMATION:

DISCLAIMER: The above information which is accurate to the best of our knowledge, describes the safety aspects of our product but does not warrant any product properties. The company gives no warranty as to the accuracy or completeness of said information.