

# Material Safety Data Sheet

## Section 1 - Product and Company Identification

- 1.1 **Product Name:** MSCgo™ Adipogenic XF Supplement Mix 1
- 1.2 **Catalog Number:** 05-331-01
- 1.3 **Synonyms:** NA
- 1.4 **Product Use:** XF, SFM Medium Supplement mix for the differentiation of human Mesenchymal Stem cell into Adipocytes. To be used according to instructions, with BI products: Cat. No. 05-330-01 & 05-332-01.
- 1.5 **Manufacturer/Supplier:** Biological Industries Israel Beit Haemek Ltd.  
**Address:** Kibbutz Beit Haemek, 25115, Israel
- 1.6 **General Information:** +972-(0)4-9960595  
**Transportation Emergency Number:** NA

## Section 2 - Hazards Identification

### 2.1 GHS Classification:

Health	Environmental	Physical
NA	NA	NA

GHS Label: NA

Symbols: NA

Signal Word: NA

Hazard Statements	Precautionary Statements:
NA	NA

### Section 3 - Composition / Information on Ingredients

#### 3.1

Component	CAS Number	Weight %
Dimethyl Sulfoxide (DMSO)	67-68-5	0.1%

### Section 4 - First Aid Measures

- 4.1 Eyes:** Eye irritation is unlikely. In case of eye irritation, flush immediately with large amounts of water for at least 15 minutes. Eyelids should be held away from the eyeball to ensure thorough rinsing. Get immediate medical attention.
- 4.2 Skin:** Itching or irritation of the skin is unlikely. In case of skin irritation, immediately flush the skin with plenty of water while removing contaminated clothing and shoes. Wash contaminated clothing before reuse.
- 4.3 Ingestion:** Ingestion of mixture is unlikely. Get immediate medical attention. Do not induce vomiting unless directed by medical personnel.
- 4.4 Inhalation:** Irritation by inhalation is unlikely. In case of Nasal irritation, headache, dizziness, nausea, vomiting, heart palpitations, breathing difficulty, cyanosis, tremors, weakness, red flushing of face, irritability: Remove exposed person from source of exposure to fresh air. If not breathing, clear airway and start cardiopulmonary resuscitation (CPR). Avoid mouth-to-mouth resuscitation.

### Section 5 - Fire Fighting Measures

- 5.1 Suitable Extinguishing Media:** Use water, dry chemical, Alcohol resistant foam, or carbon dioxide to extinguish fire.
- 5.2 Fire Fighting Procedures:** Exposed firefighters should wear protective clothing. Use water spray to cool unopened containers.
- 5.3 Unusual Fire and Explosion Hazards:** NA
- 5.4 Combustion Products:** Carbon Oxides.

### Section 6 - Accidental Release Measures

- 6.1** Dilute mixture with excess amounts of water.
- 6.2 Personal precautions, protective equipment and emergency procedures:**  
Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.



### 6.3 Environmental precautions:

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

### 6.4 Methods and materials for containment and cleaning up:

Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations

## Section 7 - Handling and Storage

- 7.1 Handling:** Do not allow contact with eyes or skin. Avoid inhalation of vapor or mist. Keep container closed. Use only with adequate ventilation. Use good personal hygiene practices. Wash hands before eating, drinking, smoking. Remove contaminated clothing and clean before re-use. All handling of open containers should be within aseptic environment and practices.
- 7.2 Storage:** Store in tightly closed containers, frozen in a -20°C environment. Thaw and use as depicted in instructions for use. Keep containers tightly closed and upright when not in use. Protect against physical damage. Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic Charge.

## Section 8 - Exposure Controls/Personal Protections

- 8.1 Exposure Limits:** not limited
- 8.2 Engineering Controls:** Not needed. To be handled aseptically.
- 8.3 Personal Protective Equipment (PPE):**
- 8.3.1 Eye Protection:** Wear safety goggles. Have eye-wash stations available where eye contact can occur.
- 8.3.2 Skin Protection:** Avoid skin contact. Wear gloves impervious to conditions of use.
- 8.3.3 Respiratory Protection:** NA

## Section 9 - Physical/Chemical Protections

- 9.1 Flashpoint:** NA
- 9.2 Autoignition Temperature:** NA
- 9.3 Boiling Point:** NA
- 9.4 Melting Point:** NA (Lit)
- 9.5 Vapor Pressure:** NA
- 9.6 Vapor Density (Air=1):** NA
- 9.7 % Solubility in Water:** complete @ 20°C
- 9.8 Pour Point:** NA
- 9.9 Molecular Formula:** Frozen Mixture Solution
- 9.10 Odor/Appearance:** After thawing: Yellow Transparent Solution, Precipitants may be



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observed and Re-dissolved via gentle warming (1-2 min. in 37°C water bath).

9.11	Lower Flammability Limit:	NA
9.12	Upper Flamimability Limit:	NA
9.13	Specifc Gravity:	NA
9.14	% Volatile:	NA
9.15	Evaporation Rate (Water=1):	NA
9.16	Viscosity:	NA
9.17	Octanol/Water Partition Coefficient:	NA
9.18	pH:	NA
9.19	Molecular Weight:	Mixture Solution

#### Section 10 - Stability / Reactivity

10.1	Stability/Incompatibility:	Avoid: Heat, flames and sparks.
10.2	Hazardous Reactions/Decomposition Products:	NA.

#### Section 11 - Toxicological Information

11.1	Signs and Symptoms of Overexposure:	NA
11.2	Acute Effects:	Not expected
11.3	Eye Contact:	Unlikely, may cause some irritation.
11.4	Skin Contact:	Unlikely.May cause reddening of skin. May cause allergic skin reaction.
11.5	Inhalation:	Unlikely, may cause irritation
11.6	Ingestion:	Unlikely, may cause gastrointestinal irritation.
11.7	Target Organ Effects:	NA
11.8	Chronic Effects:	NA.
11.9	Medical Conditions Aggravated by Exposure:	NA
11.10	Acute Toxicity Values	
	Oral LD <sub>50</sub> (Rat) =	NA
	Dermal LD <sub>50</sub> (Rabbit) =	NA
	Inhalation LC <sub>50</sub> (Rat) =	NA

#### Section 12 - Ecological Information

12.1	Not Available.
12.2	Bioaccumulation is not expected to be significant. This product is readily biodegradable.

#### Section 13 - Disposal Considerations

13.1	As sold, this product, when discarded or disposed of, is not a hazardous waste according to Local regulations. The transportation, storage, treatment and disposal of this waste material must be conducted in compliance with Local regulations.
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## Section 14 - Transport Information

### 14.1 U.S. Department of Transportation (DOT)

- 14.1.1 Proper Shipping Name: NA
- 14.1.2 Hazard Class: Mixture & ingredients are not considered dangerous.
- 14.1.3 UN/NA Number: NA
- 14.1.4 Packing Group: Not Available.
- 14.1.5 Labels Required: No specific Labels required

### 14.2 International Maritime Organization (IMDG)

- 14.2.1 Proper Shipping Name: NA
- 14.1.2 Hazard Class: Mixture & ingredients are not considered dangerous.
- 14.1.3 UN/NA Number: NA
- 14.1.4 Packing Group: Not Available.
- 14.1.5 Labels Required: No specific Labels required

## Section 15 - Regulatory Information

### 15.1 U.S. Federal Regulations

- 15.1.1 Comprehensive Environmental Response and Liability Act of 1980 (CERCLA): NA
- 15.1.2 Toxic Substances Control Act (TSCA): NA
- 15.1.3 Clean Water Act (CWA): NA
- 15.1.4 Clean Air Act (CAA): NA

### 15.2 International Regulations

- 15.2.1 Canadian Environmental Protection Act: NA
- 15.2.2 Canadian Workplace Hazardous Materials Information System (WHMIS): NA

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

- 15.2.3 European Inventory of Existing Chemicals (EINECS): NA
- 15.2.4 EU Classification: NA
- 15.2.5 EU Risk (R) and Safety (S) Phrases:  
R11 Highly Flammable.

## Section 16 - Other Information

- 16.1 National Fire Protection Association (NFPA) Ratings: This information is intended solely for the use of individuals trained in the NFPA system.
- 16.2 Health: 1
- 16.3 Flammability: 1
- 16.4 Reactivity: 0
- 16.5 Revision Indicator: 3.0
- 16.6 Disclaimer:



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