BIOMODEX®

SDS_BloodSim Rev B
DCN: 2021-056

SAFETY DATA SHEET

Section 1: Identification

Product Name: Bloodsim

BLOODSIM

Chemical Name/Synonyms: PEG with electrolytes

Company: Biomodex
2 rue de la Roquette, 75011 Paris, France. (www.biomodex.com)

ⓘ **Bloodsim is intended to be used in Biomodex's simulation stations only. It is not for human or animal use.**

In emergency, call your local emergency services.
For information about this SDS, use this department contact: davidgray@biomodex.com

Section 2: Hazard(s) Identification

See https://www.sigmaaldrich.com/safety-center/globally-harmonized.html for a list of hazard classifications, signal words, hazard statements, pictograms, precautionary statements, and a description of hazards.

Hazard Classification: Not classified as a hazardous chemical

Signal Word(s): Warning
Hazard Statements: Exposure may aggravate pre-existing eye, skin, or respiratory conditions.
Pictograms:

Precautionary Statements: Keep away from eyes and avoid breathing in airborne powder.
Description of other hazards: None

Section 3: Composition/ Information on Ingredients

Chemical Name	Synonym	CAS#	Concentration
Polyethylene Glycol	PEG	25322-68-3	Proprietary
Sodium Chloride	NaCl	7647-14-5	Proprietary
Sodium Bicarbonate	NaHCO	144-55-8	Proprietary
Potassium Chloride	KCl	7447-40-7	Proprietary

Section 4: First-Aid Measures

General: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
Inhalation: When symptoms occur go into open air and ventilate suspected area. Obtain medical attention if breathing difficulty persists.
Skin Contact: Remove contaminated clothing. Drench affected area with water for at least 15 minutes. Obtain medical attention if irritation develops or persists.
Eye Contact: Carefully rinse with water for at least 15 minutes. Remove contact lenses, if present and easy to remove. Continue rinsing, as deemed necessary. Obtain medical attention.
Ingestion: Rinse mouth. Do not induce vomiting. Obtain medical attention.
General: Not expected to present a significant hazard under proper conditions of normal use.
Inhalation: Prolonged exposure may cause irritation.
Skin Contact: Prolonged exposure may cause skin irritation.
Eye Contact: May cause slight irritation to eyes.
Ingestion: Large doses may produce systemic alkalosis and expansion in extracellular fluid volume with edema.
Chronic Symptoms: None expected under normal conditions of use.
If exposed or concerned of exposure, get medical advice and attention. If medical advice is needed, have product container or label at hand.

Section 5: Fire-Fighting Measures

Suitable extinguishing agents: Foam, dry powder, carbon dioxide, water spray, sand
Special protective equipment for firefighters: Do not use heavy water spray.

Section 6: Accidental Release Measures

Personal precautions: Safety Glasses, Gloves
Measures for environmental protection: Minimize entry into public waters and sewers.
Measures for cleaning/collecting: On land, sweep or shovel into suitable containers. Minimize generation of dust. Store away from other materials.

Section 7: Handling and Storage

Handling: Wash hands and other exposed areas with water and mild soap before eating or drinking, and when leaving work. Provide good ventilation in process area to avoid formation of dust.
Storage: Keep only in original container in a cool, dry place away from silver nitrate, strong oxidizers, and strong acids. Keep container closed when not in use.

Section 8: Exposure Controls/Personal Protection

General protective and hygienic measures: Please have gloves and eye protection available.
Protection of hands: Areas to wash hands should be available for use, including mild soap.
Eye protection: Eye wash station should be available for use.

Section 9: Physical and Chemical Properties

Form: Powder, Crystalline White
Odor: None
Odor threshold: Not available
pH: 8.2
Melting point/melting range: Not available

Boiling point/boiling range: Not available
Flash point: Not available
Evaporation rate: Not available
Flammability: Not available
Upper/lower flammability or explosive limits: Not available
Auto ignition temperature: Not available
Danger of explosion: Not available
Vapor pressure: Not available
Vapor density: Not available
Relative density: Not available
Solubility in/Miscibility with water: 8.6g/100ml @ 20C (68 F)

Section 10: Stability and Reactivity

Reactivity: Hazardous reactions will not occur under normal conditions.
Chemical stability: Stable under recommended handling and storage conditions (see Section 7)
Conditions to avoid: Direct sunlight, extremely high or low temperatures, and incompatible materials.
Incompatible materials: Strong acids, strong bases, oxidizers, water, and Lime
Hazardous decomposition products: None known, at high temperatures may liberate toxic gases.

Section 11: Toxicological Information

Acute toxicity: Not classified.
Potential routes of exposure/potential health effects
Skin: Not classified
Eye: Not classified
Inhalation: Not classified
Ingestion: Not classified
Carcinogenic effects: Not classified
Mutagenic effects: Not classified
Reproductive toxicity: Not classified
Sensitization: Not classified
Target organs: Not classified

Section 12: Ecological Information (non-mandatory)

Ecotoxicity: Not classified
Mobility: Not available
Biodegradation: Not established
Bioaccumulation: Not established

Section 13: Disposal Considerations (non-mandatory)

Waste Disposal Recommendations: Dispose of contents/container in accordance with local, regional, territorial, provincial, and international regulations.
Ecology – Waste Materials: Avoid release into the environment

Section 14: Transport Information (non-mandatory)

DOT regulations: Not regulated for transport
IMDG regulations: Not regulated for transport
IATA regulations: Not regulated for transport
TDG regulations: Not regulated for transport

Section 15: Regulatory Information (non-mandatory)

US Federal Regulations

Sodium bicarbonate (144-55-8)	
Listed on the AICS (Australian Inventory of Chemical Substances) Listed on the Canadian DSL (Domestic Substances List) Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China) Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances) Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory Listed on the Korean ECL (Existing Chemicals List) Listed on NZIoC (New Zealand Inventory of Chemicals) Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances) Listed on the United States TSCA (Toxic Substances Control Act) inventory Listed on INSQ (Mexican National Inventory of Chemical Substances) Listed on CICR (Turkish Inventory and Control of Chemicals)	
Polyethylene Glycol (25322-68-3)	
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Sodium Chloride (7647-14-5)	
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Potassium Chloride(7447-40-7)	
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard
Listed on the AICS (Australian Inventory of Chemical Substances) Listed on the Canadian DSL (Domestic Substances List) Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China) Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances) Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory Listed on the Korean ECL (Existing Chemicals List) Listed on NZIoC (New Zealand Inventory of Chemicals)	

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Section 16: Other Information

Creation Date: March 10th, 2021
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Prepared By: David Gray

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.